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Lancaster Farming

Vol. 19 No. 2 | Lancaster Farming, Saturday, December 1, 1973 | $2.00 Per Year

FARM TRENDS

A summary of market and commodity news for the past week

by Dick Wanner

A tight supply and demand situation dominates the outlook for feed grains, according to a seed situation report issued yesterday (Friday) by the USDA. The supply for 1973-74 totals 240 million tons, 3 percent below 1972-73. Production, forecast at 208 million tons, is 8 million more than last year, but carryover of old grain into the marketing year was down a third to 32 million tons.

A further decline in carryover is likely at the end of 1973-74. Total disappearance, projected at 212 million tons, will exceed production. Domestic use may not quite match last year's 173 million tons if high feed costs reduce feeding rates and offset an expected 2 percent increase in livestock numbers. Foreign demand, projected at 40 million (short) tons, continues exceptionally strong.

Corn production is forecast at a record 5.7 billion bushels. Plus carryover of old crop corn, this gives a supply of 6.4 billion bushels, 4 percent smaller than last year. Production is short of expected use, for the second consecutive year, causing another probable reduction in the carryover to about 625 million bushels next October. The tight supply plus high prices, strong exports, and some shift back to soybean meal feeding probably will bring a modest drop in domestic use. Export demand is projected at 1.1 billion bushels, down about 10 percent from the 1972-73 record.

Corn prices (Chicago) in mid-November were around $2.50 a bushel, about $1.20 above a year earlier. With tight supplies and strong demand, farmers' prices into next spring may average about $1 a bushel above the $1.32 national average for that period last year. However, prices next spring will be influenced by acreage prospects, weather, and the world supply-demand situation.

Despite a record soybean crop nearly a fourth above last year's record, domestic feeding of high-protein feeds in 1973-74 likely will make only a 6 percent gain to around 19.7 million tons. An 8 percent increase is forecast for domestic feeding of soybean meal; prices could average about a third below last season's $230 per ton at Decatur. Combined supplies of other proteins may be down slightly.

(Continued On Page 4)

Winners in this year's conservation photography contest, announced Thursday at the Farm and Home Center, Lancaster, are pictured above. Front row, left to right, are Rick Ramsdell, Heidi J. Linn, and Stephen Kessler. Back row, Jon Ebersole, Brad Brubaker and Brad Morris. (Story appears on page 11

Some Yeas, Some Nays . . .

Are Whole Beans Good for Bossy?

One thing you can say for certain about extruded soybeans is that they smell good coming out of the extruder. It's a warm, early-morning, farm kitchen smell, a cross between cooking mush and frying scrapple. Steaming soybean flakes don't taste bad, either, especially if you're fortunate enough to get a handful without grit.

Except for the smell, though, and the fact that the extruded bean can be used for a dairy seed, there aren't too many things you can say for certian. Exponents of feeding the whole bean say their dairy programs are more efficient and profitable than they'd be with soybean meal. Others aren't so sure.

And many farmers find a certain appeal in being able to grow and feed their own soy protein. "After all," the usual logic goes, "why should I sell my soybeans to a dealer, who sells them to a processor, who takes the oil out, and then sells the bean meal back to a dealer, who sells it back to me? Why not eliminate the middle men and keep their profits for myself?"

Why not, indeed. In an attempt to learn more about the pros and cons of feeding processed whole soybeans, Lancaster Farming talked to a number of farmers and feedmen. We've tried to recap - as objectively as possible - the results of that inquiry. We concentrated on dairy feeds for this article, and hope to deal with the experiences of local hog and beef producers in future articles.

A local grain broker, when queried on the economics of growing beans, sending them away for processing then buying

(Continued On Page 21)

Conservation Case History No. 1 . . .

Conservation Pays For Cliff Holloway

(Editor's Note: This begins the first in a series of Conservation Case Histories to be presented monthly in the pages of Lancaster Farming. We'll be taking a look at farm operations with intensive conservation programs. State law requires that by 1977, all Pennsylvania farms must have implemented conservation plans. We hope this series will give some insight into how conservation plans have been used to good advantage by local farmers.)

One of the first moves Clifford Holloway Jr., made when he bought his farm at Peach Bottom RD1 was to get a conservation plan. "I've been interested in conservation ever since I was a vo-ag student in Maryland," Holloway said when we visited on Wednesday. "We had an awful gully wash on our farm, and we just never did anything about it until my vo-ag teacher brought the class over to the farm one day for a tour. He asked my dad if he'd ever thought of getting rid of that gully, and that started the wheels turning. It wasn't too long before Dad had called the SCS for a plan and we soon had the whole farm in strips."

Today, Cliff Holloway farms some 440 acres of rolling farmland just south of Wakefield, near the Maryland line. He bought the 105-acre home farm from his father-in-law in 1959. He grows alfalfa hay and corn there on alternating strips. Holloway said he laid out the strips himself on a topographic map which he got from the Soil and Conservation Service at the Lancaster Farm and Home Center.

The strips have eliminated most of the erosion problem that existed when he took over the farm, "Although we still have some problems," he said. "Agnes didn't seem to take away any

(Continued On Page 20)

Farm Calendar

Saturday, December 1

Fulton Grange Youth go to Ice Follies, Hershey.

Monday, December 3

National Young Farmer Institute, Indianapolis, Ind., December 2-5.

Tuesday, December 4

4:30 p.m. - Lancaster County Vo-Ag Teachers Association meeting, Mt. Joy.

7:30 p.m. - Ephrata Adult Farmer meeting, "Raising Dairy Beef", Ephrata Vo-Ag Department.

7:45 p.m. - Young Farmers Officer's meeting, Garden Spot High School.

Lancaster County Farmers Association meeting, Farm and Home Center.

Wednesday, December 5

7:30 p.m. - Eastern Lancaster County Adult Farmer tobacco meeting, Hinkletown Elementary School.

7:30 p.m. - Lancaster County Conservation District meeting, Farm and Home Center.

Thursday, December 6

Food Policy Conference, Hotel Hershey, December 6 and 7.

Friday, December 7

8 p.m. - Lancaster County Senior Extension Club Alumni party at Mount Joy Vo-Tech School. Square dancing with Paul Andrews and other entertainment.

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State to Host National Food Policy Meet

Plans for the upcoming National Food Policy Conference scheduled Dec. 6-7 Hershey were solidified Tuesday in Washington at a pre-conference meeting between participants and Pennsylvania Agriculture Secretary Jim McHale.

The conference, which aims to lay the groundwork for a cohesive national food policy, will feature workshops and presentations by economists, food experts and several Congressmen and Senators.

McHale met with members of international food agencies and USDA and land grant college officials who will moderate a series of workshops on food policy development scheduled for Dec. 6 from 2 to 6 p.m.

Topics include, Population and Food Requirements, Production

Local Livestock Market, Auction News

Lancaster Market

Monday, November 26

	Cattle	Calves	Hogs	Sheep
Today	562	186	720	72
Last Week	539	137	676	122
Last Year	388	205	931	61

CATTLE: Compared to last Wednesday, all slaughter classes mostly steady. Supply included 429 in afternoon auction.

SLAUGHTER STEERS: High Choice and Prime 1140-1320 lb. yield grade 3-5 39.75-41.85, lot mainly yield grade 5 1390 lb. 37.35; Choice 950-1370 lb. 41.00-43.35, few yield grade 3-5 1300-1420 lb. 37.35-41.00; Good 1000-1450 lb. 39.00-41.75, few Standard 38.50-39.35.

COWS: Utility and high dressing Cutter 33.50-36.25, few 36.25-37.25; Cutter 32.00-34.75; Canner and low Cutter 30.00-32.00.

BULLOCKS: Choice 950-1250 lb. 43.25-44.85; Good 40.25-43.50.

BULLS: Yield grade 1 1000-1650 lb. 43.00-45.10, few 45.75-46.75; yield grade 2 1000-1450 lb. 40.50-43.00, few 39.25-40.50.

VEAL CALVES: Vealers steady to strong, instances 2.00 higher on Choice and Prime.

VEALERS: Prime 75.00-83.00; Choice 68.00-75.00; Good 62.00-70.00; Standard 52.00-60.00; Utility 85-120 lb. 38.00-46.00.

RETURNED TO FARM: Bulk 90-120 lb. Holstein heifers 60.00-65.00; bulk 90-120 lb. bull calves 50 00-55.00, few to 60.00.

SHEEP: Wooled lambs fully steady.

WOOLED LAMBS: Choice 60-90 lb. 33.00-35.00; Good 29.00-33.00.

SLAUGHTER EWES: Few Good 15.00.

Lebanon Valley Auction

Tuesday, November 27,
329 Head Cattle

Compared with last Tuesday's market, slaughter steers mostly steady to 25 cents higher. Slaughter cows strong to 75 cents higher. Slaughter bulls steady to $1 higher.

Choice 1100-1200 pounds slaughter steers 41.10-43.10, Good 40.00-41.50, Standard 38.00-39.35, few Utility 36.00-37.50.

Few Choice slaughter Heifers 42.00-43.50, Good 40.00-41.00. Utility & High Dressing Cutter slaughter cows 33.85-36.60, Cutters 32.75-34.35, Canners 31.00-32.85, Shells down to 28.50.

Few Choice slaughter bullocks 44.00-47.25, few Good 41.10-45.35; yield grade 1-2 1150-1850 pounds slaughter bulls 43.10-45.50.

CALVES 247

Vealers $1 to $3 higher

Choice vealers 67 00-71.00, Good 60.00-66.00, few Standard 48 00-59.00, Utility 90-120 pounds 40 00-45.00, 70-85 37.00-39.50

Vintage Auction

Tuesday, November 27

	Cattle	Calves	Sheep
Today	745	665	16
Last Week	561	580	33
Last Year	590	857	50

CATTLE: Compared to last Tuesday, slaughter steers uneven, mostly steady; cows 1.00, instances 1.50 higher; bulls 1.00 higher.

SLAUGHTER STEERS: High Choice and Prime 1100-1450 lb. yield grade 3-4 40.00-42.50, yield grade 4-5 37.00-39.60; Choice 950-1300 lb. yield grade 2-4 41.00-43.75, few mainly yield grade 2 44.00-45.00, yield grade 2-4 1300-1425 lb. 39.00-41.75; Choice 1050-1300 lb. yield grade 3-5 38.00-41.00, 1300-1450 lb. 37.00-39.50, few mainly yield grade 5 1350-1475 lb. 35.00-37.00; Good 950-1400 lb. 39.00-41.00, few 1400-1550 lb. 38.00-40.75; Standard and low Good 37.00-39.50.

SLAUGHTER HEIFERS: Good and Choice 865-1000 lb. 37.75-40.00.

COWS: Utility and high dressing Cutter 33.75-35.85, few 36.00-36.75; Cutter 32.25-34.75; few Canner and low Cutter 29.00-32.50.

BULLS: Yield grade 1 1200-1750 lb. 42.75-45.85, couple 46.35-46.50; yield grade 2 1050-1650 lb. mostly 41.00-43.50, few 39.25-40.50.

BULLOCKS: Few Choice 1000-1250 lb. 43.25-45.10; Good 40.00-43.50.

SLAUGHTER CALVES: Choice 300-450 lb. 44.00-47.00, 450-550 lb. 42.50-45.00; Good 40.00-43.00.

VEAL CALVES: Vealers steady.

VEALERS: Prime 75.00-79.00; Choice 69.00-73.00; Good 57.00-68.00; Standard 48.00-56.00.

RETURNED TO FARM: Bulk 90-120 lb. bull calves 57.50-71.50; bulk 80-120 lb. Holstein heifers 54.00-66.00.

SHEEP: Not enough on offer for a market test.

WOOLED LAMBS: Few Choice 70-90 lb. 36.50-37.50.

Regional Hay Prices

Monday, November 26, 1973

(All hay No. 2 and better prices paid by dealers at the farm price per ton.)

Hay & Straw steady to $5 higher.

Alfalfa	50.00-60.00
Mixed Hay	35.00-50.00
Timothy Hay	30.00-40.00
Straw	35.00-40.00
Mulch	15.00-25.00

Farm calves, Holstein bulls 70-85 pounds 39.00-43.00, 90-125 50.00-69.00; Holstein heifers 90-125 50.00-67 00.

Lancaster Auction

Wednesday, November 28

	Cattle	Calves	Hogs	Sheep
Today	611	93	336	30
Last Week	323	38	229	27
Last Year	523	158	381	10
Wednesday's Auction	583	114	373	28
Last Wed.'s Auction	317	38	231	5

CATTLE: Compared to Monday, slaughter steers uneven, Choice and Prime mostly 1.00 lower, instances 1.50 lower on Choice, Good steers, including Holstein, steady; cows and bulls steady.

SLAUGHTER STEERS: High Choice and Prime 1100-1350 lb. yield grade 3-5 39.00-41.25, few 41.60-42.35, few 4-5 1150-1450 lb. 36.50-38.50; Choice 950-1300 lb. 39.60-42.00, few yield grade 2-3 42.10-43.85, yield grade 3-5 1300-1450 lb. 36.50-39.10, few yield grade 5 1425-1600 lb. 33.10-45.10; Good 1000-1400 lb. 38.75-41.75, 1400-1500 lb. 37.85-39.00; few Standard 37.25-39.00.

COWS: Utility and high dressing Cutter 33.50-36.25, few 36.35-37.10; Cutter 32.00-34.50; Canner and low Cutter 29.00-32.50.

BULLOCKS: Few Choice 950-1250 lb. 43.75-45.00; Good 40.50-44.00.

BULLS: Yield grade 1 1200-1705 lb. 43.00-45.25, few 45.35-46.85, couple 1430-1440 lb. 48.35-49.25; yield grade 2 1050-1450 lb. 40.25-43.00.

VEAL CALVES: Vealers fully steady to strong.

VEALERS: Prime 75.00-83.50, four head 84.50-85.50; Choice 68.00-75.00; Good 62.00-67.00; Standard 52.00-61.00; Utility 85-120 lb. 38.00-46.00.

RETURNED TO FARM: Bulk 90-120 lb. Holstein heifers 56.50-65.50; 90-120 lb. bull calves 50.00-55.50, few to 60.00.

SHEEP: Wooled lambs fully steady.

WOOLED LAMBS: Few Choice 77-98 lb. 34.00-35.50.

New Holland Dairy Auction

Wednesday
November 28, 1973

Reported receipts of 103 cows, and 12 Heifers. Market steady with last week's market.

Load Wisconsin cows, fresh, 635-980.

Load Franklin County cows, fresh 540-860, springers 710-830.

Load New York State cows, fresh 460-760.

Load Vermont cows, fresh 740-810.

Load Wisconsin cows, fresh 840-900.

Herd dispersal, 40 Maryland, all stages of production 335-900.

Locally consigned cows 620-820.

Springing heifers 445-660.

New Holland Auction

Thursday, November 29

	Cattle	Calves	Sheep
Today	775	650	31
Last Week	-HOLIDAY		
Last Year	668	571	19

CATTLE: Trend comparison not available due to Thanksgiving holiday last week.

SLAUGHTER STEERS: Small supply high Choice and Prime 1150-1425 lb. 40.00-41.50, few 41.75-42.25; Choice 950-1300 lb. yield grade 2-4 40.00-43.00, several yield grade 2-3 43.00-45.00, few mainly 2 45.10-47.25; Choice yield grade 3-5 1200-1450 lb. 38.00-41.50, few 4-5 1300-1550 lb. 34.00-36.10; Good 1000-1400 lb. 39.00-42.00, 1400-1550 lb. 38.00-39.50; few Standard 37.00-38.50.

COWS: Utility and high dressing Cutter 34.00-36.50, few 36.75-37.75; Cutter 32.50-35.00; Canner and low Cutter 30.00-32.50.

BULLOCKS: Choice 950-1250 lb. 43.75-45.75; Good 40.50-44.00.

BULLS: Yield grade 1 1100-1830 lb. 43.25-46.75, few 47.00-48.75, couple 49.25-50.50; yield grade 2 40.75-43.50.

FEEDER CATTLE: Few Choice 415-472 lb. steers 55.50-59.50, part load 900 lb. 43.85.

VEALERS: Prime 78.00-85.00, few to 90.00; Choice 70.00-78.00; Good 62.00-70.00; Standard 54.00-63.00; Utility 90-120 lb. 42.00-46.00, 65-85 lb. 35.00-42.00.

WOOLED LAMBS: Few Choice 62-85 lb. 34.00-36.00.

Monday, Nov. 26

Calf Receipts - 171

Choice and Prime 68-76; Good and Low Choice 62-68; Standard 52-62; Common 40-52.

Monday, Nov. 26

34 Loads of Hay and 16 loads of straw sold as follows: (prices per ton)

Alfalfa 56.00-84.00; Timothy 38.00-63.00; Mixed Hay 38.50-65.00; Hay, 2 loads 48.00 and 68.00; Clover, one load at 49.00; Straw 25.00-50.00; Corn Fodder, 3 loads 30.00-34.00; Ear Corn, one load at 72.50.

Local Grain

Friday, November 30

These prices are made up of the average prices quoted by five participating local feed and grain concerns. It should be noted, however, that not every dealer handles each commodity. All prices are per bushel except ear corn which is per ton.

The average local grain prices quoted Thursday, November 8, 1973, are as follows:

	Bid+	Offered
Ear Corn, New	54.66	64.66
Shelled Corn	2.68	2.91
Local Oats	1.12	1.34
Western Oats	1.70	1.83
Barley	2.25	2.53
Wheat	4.00	4.27
Soybeans	5.30	5.60

+Bid is the price the dealer will buy from the farmer delivered to the mill. Offered is the price the dealer will sell for at his mill.

Composite Report

Friday Weekly, November 30

	Cattle	Calves
This Week	2665	1615
Last Week	1553	758
Last Year	2600	1850

CATTLE: Slaughter steers uneven. Choice and prime .75-1.00 lower, instances 1.50 lower. Good grade steers including herford steer steady. Cows .75-1.00 higher. Yield grade 1 bulls 1.00-2.00 higher. Yield grade 2.50-1.00 higher. Supply included 40 percent slaughter steers, 35 percent cows, 10 percent bulls with the balance mainly feeder steers.

SLAUGHTER STEERS: High choice and prime 1100-1350 lb. Yield grade 3 - 5 39.00-41.50, few 41.60-42.50. Few yield grade 4 - 5 1150-1450 lb. 31.50-39.60. Choice 950-1300 lb. Yield grade 2 - 4 39.60-43.00. Yield grade 2 - 3 42.10-45.00, few mainly yield grade 2 45.00-47.25. Choice yield grade 3 - 5 1200-1450 lb. 37.35-41.50. Few yield grade 5 1350-1500 lb. 33.10-37.00. Good 950-1400 lb. 38.75-42.00, 1400-1550 lb. 37.85-39.50. Standard 37.00-39.00.

COWS: Utility and high dressing Cutter 33.00-36.50, few 36.75-37.75. Cutter 32.00-35.00. Canner and low Cutter 29.00-32.50.

BULLOCKS: Choice 950-1250 lb. 43.25-45.75. Good 40.00-44.00.

BULLS: Yield grade 1 1100-1830 lb. 43.00-46.75, few 47.00-48.75, couple 49.25-50.50. Yield grade 2 1050-1650 lb. 40.50-43.50, few 39.25-40.50.

FEEDER CATTLE: Few choice 415-472 lb. 55.50-59.50. Part load 900 lb. 43.85.

VEAL CALVES: Vealers steady to 5.00 higher.

VEALERS: Prime 75.00-85.00, few to 90.00. Choice 68.00-78.00. Good 60.00-70.00. Standard 52.00-63.00. Utility 35.00-46.00.

RETURN TO FARM: Bulk 90-120 lb. Bull calves 50.00-60.00, few up to 71.50. Bulk 90-120 bulk holstein heifers 54.00-66.00.

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Hog Prices

Lancaster Market

Monday, Nov. 26

Barrows and gilts mostly steady.

BARROWS AND GILTS: US 1 190-235 lb. 45.00-45.50; US 1-2 195-240 lb. 44.00-44.50; US 2-3 190-240 lb. 43.25-44.00; US 3-4 230-250 lb. 42.50-43.00.

Vintage Auction

Saturday, November 24

HOGS 943: Compared with last Saturday's market, barrows & gilts 25c to $1 higher. US No. 1-2 200-230 lbs. 44.60-45.25, lot 46.25, No. 1-3 200-250 lbs. 43.85-44.85, No. 2-3 250-265 lbs. 41.00-43.00, few No. 2-4 275-295 lbs. 39.25-41.75, No. 2-4 145-170 lbs. 38.25-42.00. SOWS: US No. 1-3 310-545 lbs. 35.75-39.00. Boars: 35.00-39.35.

Wednesday, Nov. 28

HOGS 310: Compared with last Wednesday's market. Barrows & Gilts 50c to $1 lower. US No. 1-2 200-240 lbs. 43.25-44.50, No. 1-3 200-260 lbs. 42.00-43.50, few US No. 2-3 275 lbs. 42.10. Sows: US No. 1-3 300-550 lbs. 34.50-36.50. Boars: 36.00-38.00.

Lancaster Auction

Wednesday, Nov. 28

Barrows and gilts 1.00 lower.

BARROWS AND GILTS: Three small lots US 1 200-230 lb. 44.50-44.75; US 1-2 200-230 lb. 43.00-43.50; US 2-3 220-245 lb. 42.35-43.00; One lot US 2-4 260 lb. 40.60.

SOWS: Few US 1-3 400-575 lb. 36.00-36.75.

New Holland Auction

Monday, Nov. 26

HOGS 779: Compared with last Monday's market, Barrows & Gilts steady. US No. 1-2 200-240 lbs. 43.75-44.50, No. 1-3 200-250 lbs. 43.25-43.75, No. 2-3 230-270 lbs. 41.50-43.25, No. 2-4 150-195 lbs. 40.00-43.25. SOWS: US No. 1-3 300-575 lbs. 35.50-38.50. Boars: 35.00-38.00.

St. Louis Auction

HOGS: 7000.

Barrows and gilts 50-1.00 lower.

BARROWS AND GILTS: US 1-2 200-230 lb. 41.00-41.50; US 1-3 200-240 lb. 40.00-41.00.

Lebanon Valley Auction

Tuesday, November 27

HOGS 325

Barrows & Gilts mostly 25 cents to 50 cents higher.

US 1-3 190-240 pounds barrows & gilts 43.25-44.00, 2-3 240-275 41.50-42.75.

SOWS: US 1-3 275-500 pounds 39.25-41.75, 2-3 400-550 38.10-39.75.

Boars 33.00-36.00.

FEEDER PIGS 8

One lot US 1-3 25 pounds 18.50 per head.

Peoria Auction

HOGS: 5000.

Barrows and gilts 50 lower on weights under 240 lb., heavier weights not established.

BARROWS AND GILTS: US 1-2 200-230 lb. 41.00-41.50; US 1-3 200-240 lb. 40.50-41.00.

Indianapolis Auction

HOGS: 3000.

Barrows and gilts 200-230 lb. steady to 50 lower, 230-260 lb. 50 to mostly 1.00 lower, heavier weights not established.

BARROWS AND GILTS: US 1-2 200-230 lb. 42.00-42.25; 45 head at 42.35; US 1-3 200-230 lb. 41.50-42.00.

New Holland Horse Auction

Monday

November 26, 1973

Reported receipts of 450 head of horses, mules and ponies; market steady with last week's market.

Local work horses 275-580; mules 145-210; driving horses 140-540; riding horses 145-225; better horses 250-325.

Killers: lightweight 7-10; heavyweight 15-18.

Mare ponies 15-30; colts 5-8; geldings 15-20; larger ponies 45-70.

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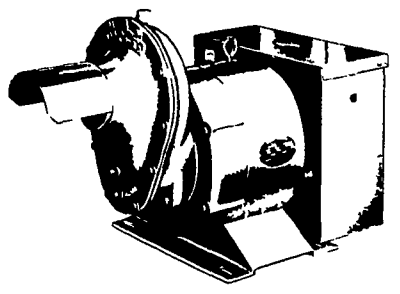

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New York Dressed Meats

Thursday, November 29

Daily distributive, less than carlot meat trade.

Compared with Wednesday: Prices continue weak for steer and heifer beef. Veal and calf steady to weak. Lamb $2.00 to $3.00 higher, listed pork cuts mostly unchanged except hams weak to $3.00 lower.

Outlet improved for all fresh meats this session. Beef meeting a two-way market with lean carcasses and cuts going at listed quotes, but fatty kinds discounted as much as five cents per pound. Lamb arbitrarily marked higher in line with replacement trend as demand for lamb runs poor. Pork demand about equal to available supplies providing that outlet will continue into Friday.

Steer Beef

Prime 600-900 pounds 67.00-68.00; 600-700 66.00-67.50; 700-800 64.00-65.50; 800-900 60.50-62.50. Good 500-800 58.00-63.00.

Heifer Beef

Choice 500-700 pounds 63.50-65.00.

Calf (Skin Off)

150-350 Pounds

Choice 97.00-100.00; Good 86.00-95.00; Standard 80.00-86.00.

Veal (Skin Off)

Choice 90-150 pounds 112.00-115.00; Good 60-90 100.00-107.00; Standard 60-120 85.00-90.00.

Lamb

Choice and Prime 30-55 pounds 77.00-80.00; 55-65 73.00-77.00.

Choice Beef Cuts

Hinds (Steer) 145-190 pounds 75.00-78.00; Arm Chucks 90-105 56.00-59.00; Ribs (7-rib) 34-40 75.00-82.00; Loins (trmd) 50-70 97.00-102.00; Rounds (steer) 70-95 72.00-76.00; Full Plates 39.00-40.00; Hinds (heifer) 120-170 73.00-76.00

Fresh Pork Cuts

Loins (regular) 8-14 pounds 72.00-74.00; 14-17 70.00-74.00; Picnics (regular) 4-8 56.00-59.00; Boston Butts 4-8 64.00-68.00; Spareribs three pounds down 77.00-80.00; Hams (skinned) 14-17 88.00-90.00; 17-20 82.00-84.00.

Peoria Cattle

Thursday, November 29

Receipts this week: 5000
Last week: 2900
Year ago: 5300

Slaughter steers closing 50 to mostly 1.00 lower as compared to last weeks close. Slaughter heifers 1.50 to mostly 2.00 lower. Cows 50-1.00 higher. Bulls steady. Supply 60 percent slaughter steers 35 percent slaughter heifers, balance mostly cows.

STEERS: Choice and Prime 1175-1200 pounds late 38.00-39.50, up to 40.50 Monday; 1200-1325 35.50-38.00; couple loads 1400-1440 34.50-36.25; Choice 900-1200

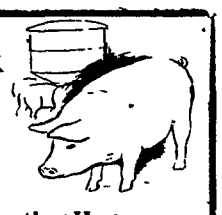
Closing 39.00-40.50, near three loads 41.00, early couple loads 42.00; Choice 1200-1250 pounds 38.00-39.00; load High Choice 1340 37.00; Mixed Good and Choice 900-1200 38.00-39.00; Good 37.00-38.00; Standard and Good Holsteins 36.50-37.50, part load 37.75.

HEIFERS: Choice and Prime 900-1100 pounds 36.00-37.50; Few 950-1125 32.50-35.50; Choice 800-1050 37.00-38.25, mostly 37.00-38.00; Early couple part load-loads 40.25-40.50; Mixed Good and Choice 750-1100 36.00-37.00; Good 35.00-36.00.

COWS: Utility and Commercial 27.00-32.00; High-dressing Utility 32.50, Few 33.00; Cutter 26.00-30.00; Canner 23.00-26.00; Few Commercial 23.50.

BULLS: Yield grade 1-2 1100-1800 pounds 37.00-40.00; Few yield grade 1 41.00-42.00.

SELL YOUR BUTCHER HOGS DIRECT



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Garden Spot Quality Meats
Call AL SHAFFER At
Lancaster, Pa
717-397-5113
Evenings (215) 779-3847

Futures Trading

(Closing bids as of Thursday, November 29th)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes	Chicago Fresh Eggs
December	40.95	44.25		60.65
January '74				54.95
February	46.35	46.20		50.50
March			7.55	48.10
April	47.50	46.55	7.87	47.00
May			8.85	44.35
June	47.70	45.80		
July		45.90		
August	46.85	43.90		
October	46.00			
November			5.26	

Trend — Cattle are Lower, Hogs are Lower, Potatoes are Lower, and Eggs are Stronger.

a-asked b-bid n-normal

Markets provided by Commodity Dept., Reynolds Securities, Inc.

Omaha Cattle

Thursday, November 29

Compared with previous week's close: Slaughter steers and heifers unevenly 1.00-1.50 lower in often slow trading. Cows 50-1.00 lower after losing mild early advance. Bulls weak to 1.00 lower. Small feeder supply steady to 1.00 lower.

Four day receipts 22,000 as compared 12,800 previous week which included holiday and 16,700 a year ago. Steers approximately 33 percent, heifers 35 percent, cows 10 percent and feeders 17 percent including those for Friday auction. Fed cattle prices forced downward in face of expanded marketing following Thanksgiving holiday coupled with declining carcass trade. There was moderate seller pressure to move the ample supply of market ready cattle while on the other hand, some slaughterers came into week with several days inventory on hand.

In addition, Canadian interest was quite moderate with the recently imposed surtax scheduled for review at weekend. Prices were squeezed within an ever narrowing range; best demand continued to center on High Good and Choice 975-1125 pounds yield grade 2-3 steers and at mid-week yield grade 3-4 heifers were subjected to sharp discounts in price. There was a liberal percentage Choice steers and heifers and a moderate volume High-Choice and Prime, however, many carried a modest amount of mud.

STEERS: Early, two loads Choice and Prime 1003-1018 pounds Grade 3 41.25-41.50. At midweek, two loads same grade 1044 3 41.00, Several loads 1050-1100 3-4 39.50-40.00, load 1075 38.75 late. Choice 975-1150 2-4 mainly 38.00-39.50, late sales 37.00-38.00. Choice 1150-1300 3-4 37.00-38.50, Several loads 1250-1442 4 with few 5 33.50-36.00. Mixed Good and Choice late 950-1200 37.00-38.00. Good 36.00-37.50. Standard and Low-Good 35.50-36.50.

Average cost slaughter steers first three days 39.02 average weights 1156 pounds as compared 39.37 and 1156 previous week and 33.87 and 1128 a year ago.

HEIFERS: Early, two loads High-Choice and Prime 946-958 pounds grade 3-4 39.75, moderate volume 856-1209 39.25-39.50. At midweek, three loads Choice with end Prime 850-955 3 38.75-39.00, Several loads Choice and Prime 975-1025 2-4 38.00. Choice 850-1075 2-4 36.50-38.00, few loads Choice 925-975 3 38.25-38.50. Mixed Good and Choice 36.00-37.00. Good 34.50-36.00.

COWS: Utility and Commercial 28.50-31.00, few 31.50-32.00. Canner and Cutter 25.50-29.00, Mixed Cutter and Low-Utility 29.25-29.50.

BULLS: Yield grade 1-2 1400-1800 pounds 36.00-40.00, few yield grade 41.00-42.00.

FEEDERS: Prices steady to 1.00 lower on limited available supply with outgo of approximately 1,500 head mainly fleshy two-way steers and moderate volume heifers.

STEERS: Load Choice 791 pounds 44.50, three loads Choice 811-878 42.50-43.50. High-Good and Choice 974-1100 40.00-41.00, few Choice 1009-1041 41.50.

HEIFERS: Three loads Choice 700-824 pounds 42.00, few loads Choice 808-935 38.50-40.00, load 999 37.50. Good and Choice stock cows 32.00-36.00.

Green Dragon Hay

Friday, November 23, 1973

73 loads Hay

Alfalfa 53.00-78.00, one load at 87.00; Timothy 35.00-50.00; Mixed hay 36.00-62.00; Clover, few loads 43.00-63.00.

29 loads Straw

Straw 38.00-47.00.

Ear Corn, one load at 70.00.

Corn stalks, one load at 24.50.

U. S. Inspected Livestock Slaughter

Estimated Daily Livestock Slaughter Under Federal Inspection

	CATTLE	HOGS	SHEEP
Week To Date	484,000	1,271,000	139,00
Same Period Last Week	352,000	906,000	105,00
Same Period Last Year	494,000	1,311,000	120,00

Poultry Market Reports

Egg Market

Wednesday, Nov. 28
Baltimore

Prices unchanged. Trading stocks adequate for a slow, unaggressive demand. Scattered retail promotions noted in local news media.

Cartoned Eggs: Prices to retailers, state graded (min one case sale)

White Grade A Large 81-86, mostly 81-84.

White Grade A Medium 79-84, mostly 79-82.

Wednesday, Nov. 28
Philadelphia

Prices steady. Cartoning demand light to good, mostly fair. Offerings of larger sizes fully adequate, mediums barely adequate to short. Undertone steady.

Prices to retailers: Sales to volume buyers, consumer grades white eggs in cartons.

	Delivered Store Door	
A Extra Large	76	77½
A Large	75	76½
A Medium	71	72½

Delmarva

Wednesday, Nov. 28
Broiler-Fryer Market

Ready to cook movement fair at best as a lack of aggressiveness prevails in most quarters for immediate needs. Slaughter schedules increased slightly. Advance interest developing well at higher than this week's levels. Less than trucklot prices unchanged to 1 cent higher. Mostly unchanged on both plant and US Grade A. Live supplies ample at often heavier than desired weights. Undertone firm.

Pool trucklot prices for Thursday arrival US Grade A 36-42, mostly 36; Plant Grade 35-40, mostly 35.

Lancaster Farming Photos for Sale.

If you'd like prints of any Lancaster Farming photographs, we'll be happy to make them for you. To order, just complete the form below and mail or bring it to: Photo Department, Lancaster Farming, 22 E. Main St., Lititz, Pa. 17543

The photo I want appeared in the Lancaster Farming dated_____. It was on page_____, and the caption begins:

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I would like to order the following prints:

Number of prints	Size	Cost of each	Total
_____	4x5	$1 50	_____
_____	5x7	2 00	_____
_____	8x10	2.50	_____

Total order (Please add 6 pct Pa Sales Tax) _____

Please send remittance with order Allow 10 days for delivery

Name _____

Street _____

Town _____

State_____ Zip_____

New England Weekly Shell Egg Report

Tuesday, November 27

Prices paid per dozen Grade "A" brown eggs in cartons delivered to retail stores:

	EX LARGE	LARGE	MEDIUM	SMALL
MASS+	73-79	72-78	71-77	56-61
Mostly	74-76	73-75	72-74	57-59
NEW HAMP	73-80	71-78	69-76	55-62
Mostly	75-76	73-74	71-72	57-58
R.I.	76-77	75-76	74-75	59-60
Mostly				
VERMONT	74-84	73-82	72-79	TFEWR
Mostly				
MAINE	74-76	73-75	72-74	57-59
Mostly				

+Includes Central & Western Sections Only.

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradeable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	New Weight Per Case	Tuesday	Thursday
Extra Large	51 lbs.	0	0
Class 1 - Large	48 lbs.	65	65
Class 3 - Medium	42 lbs.	62	63
Class 4 - Small	39 lbs.	54	55
Breaking Stock	48 lbs.	55	55
Checks	48 lbs.	43	43

Farm Trends

(Continued From Page 1)

World production of feed grains in 1973-74 is a record 582 million metric tons, 7 percent above a year earlier and 3 percent above the previous peak 2 years earlier. But depleted carryover stocks in major grain exporting nations make supplies barely adequate for 1973-74 requirements and carryover stocks at the end of the season will be down to the lowest level in more than 15 years.

During 1968-72, world feed grain consumption rose at a rate of 19 million tons yearly; U.S. consumption rose about 6 million annually. In the past 5 years, world feed grain production has lagged increasing world demand, reflected in rising exports and prices.

Larger feed grain crops in 1974-75 would soften prices, help keep countries with limited purchasing power in world grain markets, and provide increased assurance of food security. The 1974 U.S. feed grain crop is projected to increase by 20 million short tons mainly because of increased acreage in prospect. Domestic needs may be up as much as 9 million, but exports may decline 3 million.

David Yoder, right, general manager of Atlantic Breeders Cooperative in Lancaster, was among the officials present for dedication ceremonies at the new building for the National Association of Animal Breeders in Columbia, Missouri. Yoder is vice-president of the NAAB and a member of the executive committee. Other members of the NAAB executive committee pictured above are, from left: Erton Sipher, Gouverneur, N.H., William Durfey, Columbia, Mo., and Dr. R. E. Walton, De Forst, Wisc.

Weekly New York Egg Market

From Monday, November 26th to Friday, November 30th

	Mon.	Tues.	Wed.	Thurs.	Fri.
WHITE					
Fcy. Ex. Large	72	72	72	72	72
Large	71	71	71	71	71
Mediums	69	69	69	69	69
Pullets	60	60	60	60	60
Peewees	45	45	45	45	45
BROWN					
Fcy. Large	71	71	71	71	71
Mediums	Unquoted				
Pullets	Unquoted				
Peewees	Unquoted				
Off Grade Large	65	65	65	65	65
Checks	42	42	42	42	42

Long Tone — Steady.

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Eastern Pa. & N.J.

Wednesday, Nov. 28
Live Poultry

Prices slightly lower on light type hens. Demand fair for adequate offerings with plants operating near full time. Offerings of heavy type hens adequate for a limited call.

Prices paid at farm: Light type hens 12-15½, mostly 15-15½ in Pa., mostly 14-51 in N. J.

Heavy type hens TFEWR.

Oklahoma City

Friday, November 30

Estimated Receipts	9,700
Same Day Last Week	Holiday
Same Day Last Year	8,935

Moderately active, feeder cattle and calves generally steady. Majority receipts Choice 400-700 pound steers and Good and Choice 350-600 heifers: Only moderate attendance buyers.

FEEDER STEERS: Choice 300-400 pound 61.00-67.50; 400-500 58.75-64.50; 500-600 52.70-59.50; 600-700 51.00-56.00; 700-800 49.00-53.00; 800-875 carrying moderate flesh 44.00-49.00, Part load 815 50.90. Mixed Good and Choice 500-600 pound 48.55-52.00. Few 700-800 43.00-46.75.

HOLSTEIN STEERS: Good 600-700 pound 43.00-44.25; 764-885 40.10-42.70, load 1074 38.70.

FEEDER HEIFERS: Choice 300-400 pound 50.00-55.60; 400-500 49.20-52.70; 500-600 44.60-48.70; 600-700 42.00-45.00. load 750 39.00; Mixed Good and Choice 300-500 42.75-47.10.

For the week: Feeder cattle and calves steady to 2.00 higher with most advance on 600-750 pound steers and 400-600 pound heifers, fleshy steers over 750 pound weak to 1.00 lower; Slaughter cows closed 1.00-3.00 higher, mostly 2.00 higher; Bulls fully Steady. Salable receipts this week near 19,000 compared with the holiday shortened period last week 4,044 and 16,703 the same week a year ago;

Fogelsville

November 27, 1973

(Prices paid dock weights cents per lb.)

Hens, light type 10-17; Hens, heavy type 10-29, mostly 18-25; Pullets 26-38; Roasters 22-41, mostly 38-39; Ducks 48-50, Drakes 55-71, mostly 55; Geese 58; Rabbits 50-79, mostly 75-76, Guineas 85-90, mostly 85; Pigeons (per pr.) 70-3.00, mostly 1.19-1.21;

Total Coops Sold 364

Poultry received Monday 7 p.m. to 10:30 p.m. Tuesday 7 a.m. to 12 Noon. Sale at 11:30 a.m.

Directions — Take Rt. 22 thruway. Exit at Fogelsville exit. North on stoplight in Fogelsville, turn left, proceed 1 mile.

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Richard E. Wanner, Editor
Subscription price: $2 per year in Lancaster County: $3 elsewhere

Established November 4, 1955
Published every Saturday by Lancaster Farming, Lititz, Pa.
Second Class Postage paid at Lititz, Pa. 17543
Members of Newspaper Farm Editors Assn., Pa. Newspaper Publishers Association, and National Newspaper Association.

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From Local Ag Teachers:

Thoughts in Passing

The article for this week was prepared by Arba Henry, teacher of agriculture at Solanco High School.

Christmas Tree Buying Tips

Today, selecting the perfect Christmas tree is one of the highlights of many families' preholiday preparations. Choosing a tree that is "just right" for you will be easier if you know what species you are looking for, the different features that indicate a good tree, and how to select and maintain freshness.

In selecting just the right tree for decorating, most people look for a tree that is healthy, free from damage, and well-trimmed. They generally want a tree that tapers gently from a full bottom and has an ample number of branches for hanging ornaments.

There are many differences in the kind of tree one buys. The Norway, White, and Blue Spruces are very popular trees. The needles are short and stiff. These are the first trees to lose needles. There is a one week to 10 day limit of keeping time indoors.

The pines are probably the most popular trees. The Norway, White and Blue Spruces are very popular trees. The needles are short and stiff. These are the first trees to lose needles. There is a one week to 10 day limit of keeping time indoors.

The pines are probably the most popular trees. The needles are in bundles of two and five with a length needle of one to five inches. Needle retention is best on pines.

Arba Henry

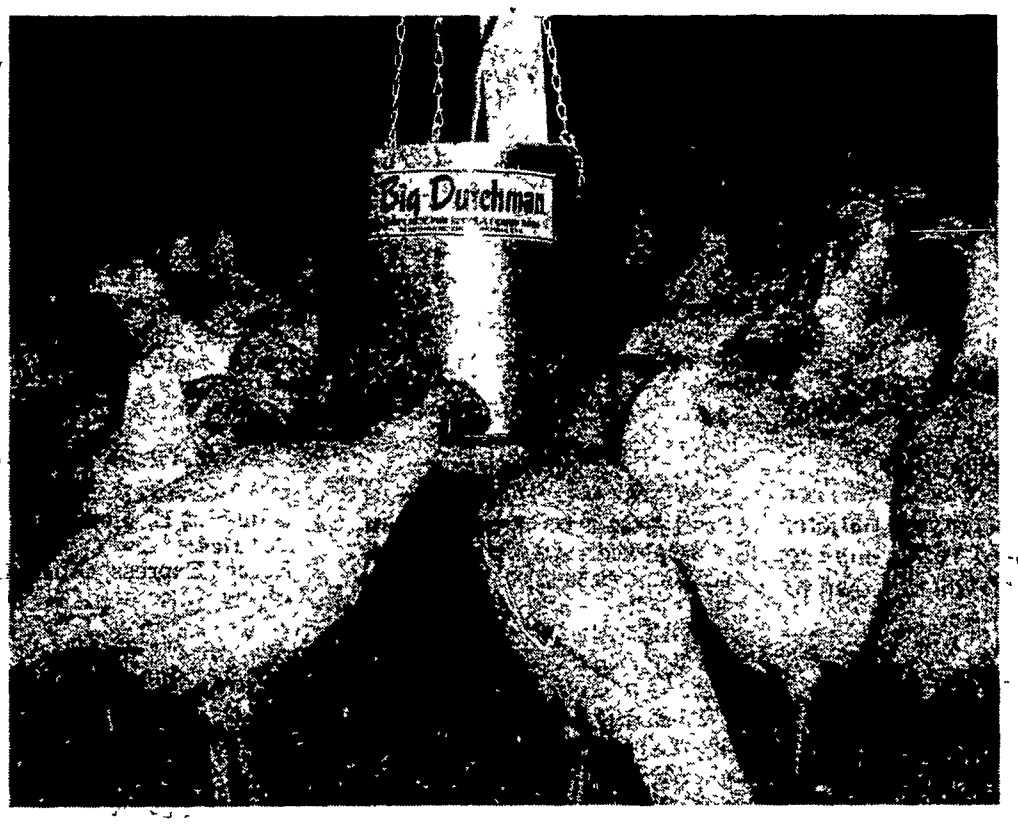
A few simple procedures can make the selection of a tree easier.

1. Determine in your home where you will display your tree. This will tell you the height needed and whether all four sides must be suitable for display.
2. Select a tree that is right height for space chosen.
3. Freshness is the important key. Run your fingers down a branch - the needles should adhere to each twig.
4. Give the tree a good shake before you buy it. If too many needles fall off, you'll know what you don't want.
5. Select one which has good color, springy branches, and symmetrical shape.

If you buy a tree several days before decorating it, set the tree outdoors, out of wind, but exposed to rain or snow and in a bucket of water. When you bring the tree inside, saw off an inch or more of the butt and stand it in water. An eight foot tree will take up to one quart of water in 24 hours.

Following these selection and care measures should insure an attractive tree that stays fresh indoors for more than a week and a holiday season free from Christmas tree mishaps.

Big Dutchman CONFINEMENT TURKEY PRODUCTION



SUSPENDED FEEDER

Heavy duty galvanized, steel, with a feed trough that is extra deep, providing ample feeding capacity while reducing spillage. The trough is 75 inches in circumference. Cylinder holds approximately 50 lbs of feed. Feed flow is fully adjustable between cylinder and pan.

Repeated success and the obvious advantages of raising turkeys in confinement have rapidly increased the number of confinement turkey grow-out houses in recent years. The advantages and benefits are many. Confinement production with environmental control offers the turkey grower better control over his flock, with less labor.

Here are some of the reasons:

1 Confinement systems permit automatic feeding and watering, reducing labor and feed waste.

2 Birds kept inside through the entire grow-out period are protected from adverse weather, predators and contamination by wild birds.

3 Totally enclosed buildings prevent the loss of feed to winds, wild birds and animals.

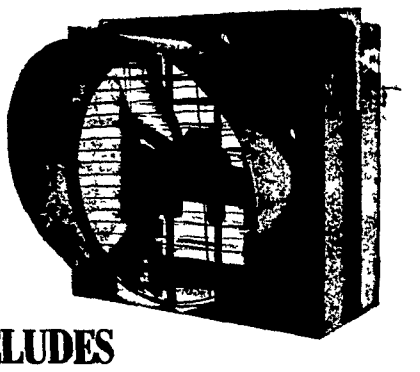
4 The grower has better control over diseases because they can be discovered easier and earlier, and because more thorough medication is possible.

5 Stress is reduced, and in many cases eliminated, because the temperature can be controlled by scientifically engineered ventilating equipment.

6 Mortality and downgrading are reduced, providing more pounds of marketable meat per bird started.

8' SUSPENDED HIGH-N-DRY WATERER

AUTOMATICALLY CONTROLLED VENTILATION SYSTEMS



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Consumers Need to Know

by LEE LANDIS

If we run out of energy fuels, our creature comforts will be curtailed sharply. So, alert homemakers are checking every nook and corner of the house for ways to conserve energy this winter.

Since insulation is the number one means of keeping heat in—or out—it's wise to start at the top of the house and work down when checking on insulation. Homes that are more than 15 years old are often not adequately insulated.

According to the National Bureau of Standards, a ceiling should have six inches of insulation, walls about four inches, and floors about two inches.

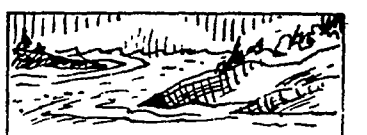
Insulating your roof can save up to 90 per cent of heat loss; insulated walls can save up to 60 per cent, and insulated floors up to 70 per cent.

Storm windows and doors of wood or aluminum also reduce heat loss by as much as 50 per cent. In some areas of the country, homemakers leave storm windows on all windows the year around except for one or two needed for ventilation in hot weather. It reduces air conditioning costs.

Other vital areas to check include your heating plant: Does it operate efficiently? Has a qualified service man inspected it recently?

Be sure any cracks around windows and doors are sealed. Close dampers on fireplaces when not in use. Insulate hot water pipes that may pass through cold spaces. Close off rooms that are not used regularly.

Double check to see that radiator covers do not trap heat or that furniture is not arranged to block the flow of heat. Incidentally, a layer of aluminum foil between a radiator and a cold wall will reflect heat back into a room.



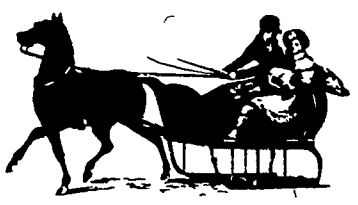
In his *Historia*, written in 1072, Adam of Bremmen mentions the Scandinavian colonies in America, 420 years before Columbus.

THE OLD FARMER'S ALMANAC

DEC. 3-9, 1973

It's a kind of grin and bear it week.

Get Christmas cards ready . . . Prohibition ended in U.S. Dec. 5, 1933 . . . Full cold moon Dec. 9 . . . Partial Eclipse of the Moon Dec. 9. The umbral phase will be visible beginning at 8:10 PM EST . . . Average length of days for the week, 9 hours, 19 minutes . . . Year's earliest sunsets Dec. 8-9 . . . If this week be mild, winter will remain a child . . . CIO-AFL merged Dec. 5, 1955 . . . Matrimony is the only game of chance that the clergy favor.



Ask the Old Farmer: I recently found three elongated sandbags in an attic. They're about 2½ feet long, and two inches in diameter. The inner casing is of stout white cloth, the outer is of bright blue upholstery cloth. What are they?

E.L.B., Buffalo

In our parts they used to call them "draft-stops." They were placed along a window on the sill to keep the winter breezes out. Some of them were pretty fancy, and I can remember our elders getting after us kids for using them in pillow fights.

Home Hints: Before using old clothes for cleaning rags, remove zippers and buttons for future use . . . Ice cube trays won't stick in the freezer if you put waxed paper under them.

OLD FARMER'S WEATHER FORECASTS

New England: Light rain to start, then turning cold; cold with intermittent snow latter part.
Greater New York-New Jersey: Light rain at first then partial clearing and cold; end of week cold with 3-5" snow.
Middle Atlantic Coastal: Week begins mild with light rain, then cold with snow; 2-4" snow latter part.
Southeast Coastal-Piedmont: Showers to start, then partial clearing and cold; some rain end of week and maybe snow.
Florida: Week begins partly sunny and mild, then showers in west and light rain in south; end of week cool with showers in north, light rain in south and sunny and mild in central region.
Upstate & Western N.Y.-Toronto & Montreal: Rain at first changing to snow, 10" in west, then very cold; 2-4" snow latter part.
Greater Ohio Valley: Week begins cloudy with temperatures dropping, then snow, 2-4" in west and 1-3" in east; end of week very cold with 2-4" snow.
Deep South: Rain and cold to start, then snow in northern sections, cloudy and cold latter part, then rain.
Chicago and Southern Great Lakes: First part of week very cold with light snow; end of week cloudy and cold with 2-4" snow.
Northern Great Plains-Great Lakes: Snow at first, 3-5" in east, then partly clear and very cold; fair latter part except snow in east on weekend.
Central Great Plains: Most of week very cold with intermittent light snow; 2-4" snow changing to rain in central and north on weekend.
Texas-Oklahoma: Week begins cloudy and very cold, then heavy rain along Gulf and flurries in north; light snow in north and light rain elsewhere latter part.
Rocky Mountain Region: Mostly clear and cold to start with light snow in north, then warming; end of week mostly clear and warmer with 4-6" snow in central.
Southwest Desert: Week begins clear and cool with possible frost, then rain; end of week partly cloudy and mild with highs in 60s.
Pacific Northwest: First part of week partly clear and unseasonably cold; end of week rainy and slightly warmer.
California: Increasing cloudiness at first, then rain; rain continues to end of week with heavy snow in northern mountains.

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Pa. Auction Summary

Weekly Summary
18 Livestock Markets
Week Ending November 23

Cattle 3058, compared with 6568 head last week, and 4160 head a year ago. Compared with last weeks market, slaughter steers strong to 25 cents, spots 75 cents higher. Slaughter cows strong to mostly $1 higher. Slaughter bullocks and bulls unevenly steady.

STEERS: High Choice and Prime (few) 41.35 - 42.75; Choice 41.00 - 43.50; Good 39.75 - 41.75; Standard 38.00 - 39.75; Utility 35.35 - 38.00.

HEIFERS: Choice (few) 39.90 - 41.25; Good 37.50 - 40.50; Standard (few) 36.50 - 38.50.

COWS: Utility and High Dressing Cutter 32.35 - 34.50; Cutters 30.60 - 33.00; Canners 28.00 - 30.60; Shells down to 20.50.

BULLOCKS: Choice (few) 44.00 - 44.50; Good 40.85 - 43.50; Standard 38.50 - 41.50.

BULLS: Yield Grade 1-2 950 - 1200 pounds 39.00 - 42.00; yield grade 1-2 1200 - 1700 39.75 - 42.50.

FEEDER CATTLE: Choice 300 - 550 pounds 51.00 - 58.25; Good 300 - 650 43.00 - 50.00; Medium 350 - 700 36.00 - 40.50; Good and Choice 300 - 550 feeder heifers 40.00 - 49.50.

Calves 2750, compared with 4545 head last week and 3773 head a year ago. Vealers grading Standard through Prime mostly 50 - $1 lower; Utility $2 - $3 lower.

VEALERS: Prime 74.50 - 79.00; Choice 64.50 - 69.75; Good 58.50 - 65.00; Standard 49.50 - 56.75; Utility 90 - 120 pounds 38.00 - 45.00; 70 - 85 32.00 - 38.00. Farm Calves moderately active, Holstein bulls 85 - 120 pounds 47.00 - 62.00; Holstein heifers 85 - 140 50.00 - 65.00.

Hogs 5213, compared with 6091 head last week, and 5498 head a year ago. Barrows and Gilts mostly 25 - 50 cents lower, spots to $1 lower.

BARROWS AND GILTS: U.S. 1-2 200 - 240 pounds 43.50 - 44.00; 1-3 200 - 250 42.50 - 43.25; 2-3 200 - 260 41.75-42.75; 2-4 120 - 190 38.00 - 41.50.

SOWS: U.S. 1-3 300 - 575 pounds 37.85 - 40.45; 2-3 300 - 600 35.85 - 38.00. Boars 30.50 - 37.00.

FEEDER PIGS 1043, compared with 1297 head last week, and 1166 head a year ago. U.S 1-3 20 - 35 pound feeder pigs 15.00 - 27.00 per head; 1-3 35 - 50 20.00 - 35.00; 1-3 50 - 100 30.00 - 40.00; Utility 10 - 50 10.00 - 29.00 per head.

Sheep 727, compared with 1190 head last week and 516 head a year ago. Wooled slaughter lambs $1 - $2 lower.

Choice 70 - 110 pounds 30.50 - 32.50, few to 34.00; Good 65 - 100 27.00 - 30.50; Utility 50 - 80 20.00 - 27.00. Slaughter ewes 8.00 - 19.00.

Robert Leaman Attends Seminar

Robert Leaman of Akron has completed a special three-day sales training seminar offered by American Cyanamid Company at their Agricultural Division headquarters in Princeton, New Jersey.

Leaman, selected for the school by his firm, New Holland Supply Company, and Cyanamid received instruction in effective listening, selling skills, territory management, business math and other subjects that will help him better service his customers.

The seminar concluded with a tour of Cyanamid's Research and Development facilities. Cyanamid is a leading manufacturer of animal health products used in the production of livestock and poultry.

Leaman represents New Holland Supply Company in Southeastern Pennsylvania and Central Maryland.

"God could not be everywhere so he therefore made mothers." (Jewish Proverb)

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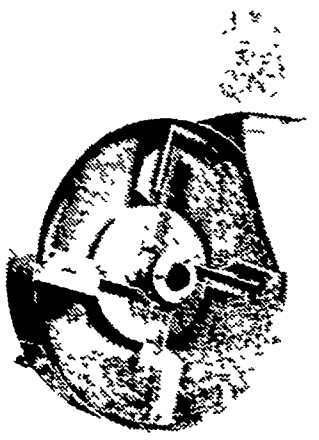

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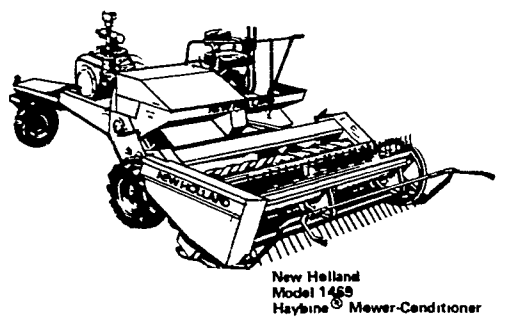
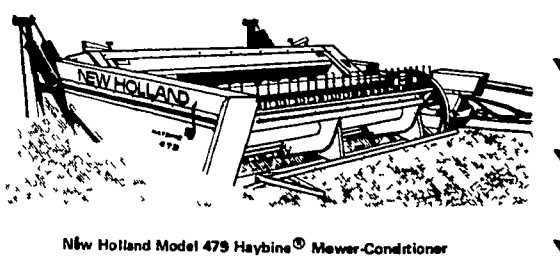


New Holland Model 1469 Haybine® Mower-Conditioner



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Quarryville Jaycees to Pick Outstanding Young Farmer

The Third Annual Outstanding Young Farmer (OYF) Banquet will be held at Historic Strasburg on Friday, Dec. 14, 1973 at 7 P.M. The event is sponsored by the Quarryville Jaycees with additional awards given by H. H. Wiggins Chevrolet and Ray's Appliances, Quarryville.

Mr. Marion Deppen, area administrator for Penna. Cooperative Extension Service, will be the featured speaker. His topic will be "Farm and nonfarm living together - conflicts and satisfactions". Deppen is a well known worker in agriculture and will have an interesting address for everyone. Everyone is invited to attend. Tickets can be purchased by calling 786-3591. Area residents are urged to attend to help honor our Outstanding Young Farmers.

The OYF contest is designed to recognize the importance of agriculture and the people involved in it. Applicants will be judged by M. M. Smith, County Agent; Clifford Huffman, farm loan representative for Equitable Life; and Henry Wenger of Henry W. Wenger Insurance Agency, Quarryville.

Last year's local winner, Robert Kauffman, placed first in State competition and represented Pa. at St. Paul, Minn. at the Nat'l OYF Awards Program. Bob will be giving a report of last years activities at the banquet. The winner of this years contest will be announced at the banquet and will represent Southern Lanc. Co. in the state competition.

The OYF Program has great support from local agribusiness who joined the Quarryville Jaycees, Chevrolet, and Frigidaire in honoring young men in the farming industry. Donatoins and nominees were given by: Powls Feed Services, C. E. Wiley Inc., Wenger Implements Inc., A. L. Herr and Bro., Lancaster Bone Fertilizer Inc.; Grimelli Farm Services, Red Rose Farm Service, Agway Inc., Ross H. Rohrer and Sons, Cope and Weaver Co., and Goods Feed Mill.

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6%=6.27%

6.27% effective compounded annual yield on 6% one-year savings certificates. $100 minimum. Interest paid monthly on $2500 or more.

5½%=5.65%

5.65% effective compounded annual yield on 5½% Evergreen Passbook Accounts. $100 minimum initial deposit; any amount may be added at any time thereafter. Withdrawals (down to $100 balance) during the first ten days of any calendar quarter, or with 90 days' written notice.

NOTE: Federal law and regulation prohibit the payment of a time deposit prior to maturity unless three months of the interest thereon is forfeited and interest on the amount withdrawn is reduced to the passbook rate.

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Cows recognized for their exceptional food producing - ability are:

Rocky-side Ted Rexie, age 3-2, 23,880 pounds milk, 822 pounds fat, 3.4 percent test in 305 days milked.

Rocky-Side Ted Patsy, 3-1, 14,710 pounds milk, 717 pounds fat, 4.9 percent test in 319 days milked.

Rocky-Side Archie Jewel, 3, 18,820 pounds milk, 704 pounds fat,3.8 percent test in 305 days milked.

Rocky-Side Ted Misty, 1-11, 17,140 pounds milk, 704 pounds fat, 4.1 percent test in 339 days milked.

Rocky-Side Flashy Fern, 4-1, 17,200 pounds milk, 699 pounds fat, 4.1 percent test in 305 days milked.

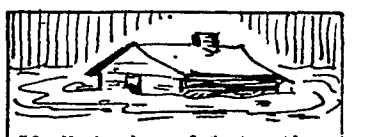
Rocky-Side Ted Patsy, 3-1, 14,360 pounds milk, 697 pounds fat, 4.9 percent test in 305 days milked.

Rocky-Side Gent Twinkle, 3-2, 17,820 pounds milk, 667 pounds fat, 3.7 percent test in 305 days milked.

Lebanon County New Cooperators

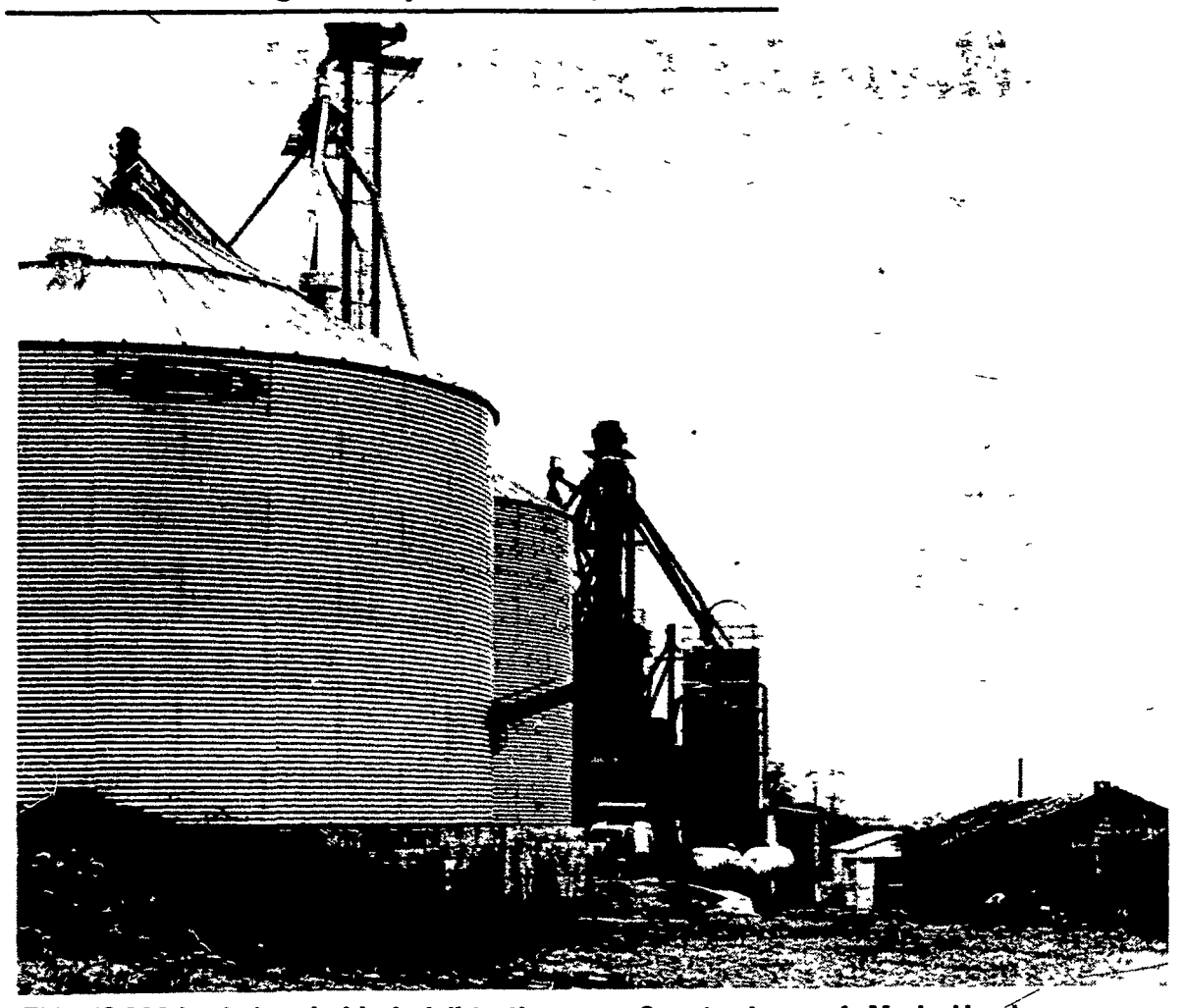
The Lebanon County Conservation District announces the following new cooperators:

Melvin Lehman, South Londonderry Township; Richard Gingrich, Annville; Ralph Patches, W. Cornwall, 102 acres; Lloyd M. Sensenig, S. Annville, 152 a.; Ivan Hanson, S. Londonderry, 189 a.; Alvin Weaver, Union, 130 a.; and Leroy Patches, Swatara and N. Lebanon, 149 acres.



If all the ice of Antarctica melted, the oceans would rise about 200 feet, drowning the world's seaports and coastal lowlands.

TRY A CLASSIFIED



This 48,000-bushel grain bin is full to the top with soybeans. It's on the Lebanon County farm of Mark Hershey, owner-operator of a feed processing business.

Farmer in the Spotlight . . .

Mark Hershey Combines Farming, Feed Processing

Mark Hershey, owner-operator of an unconventional feed business in Lebanon County, is not so much in the business of selling feeds, as he is in processing raw materials for clients interested in making their own grain rations. Farmers have come from as far as 100 miles away to take advantage of the unique service which Hershey has been providing for 13 years. Specifically, that service is to process soybeans which the farmer grows himself, and will mix in his own feed.

As far as is known, Hershey, an independent operator, was the first to process soybeans in Pennsylvania. He is still one of only several in the state. Hershey cooks raw beans under 100 pounds of steam pressure for 15 minutes. By doing this, the oils of the soybeans are left intact and the resulting product rates high in nutrients, palatability, and digestibility. Raw soybeans are said to have an offensive taste, but the flaked, cooked beans taste good enough to even become a snack for the farmer in the barn. Protein, fat, and TDN percentages for this feed ingredient are 38 percent, 19 percent, and 87.6 percent respectively.

With ninety acres of his own soybeans, Hershey can sell some concentrates in the conventional way; and if demands are there, he buys additional quantities of grain crops either locally or from the Midwest. At the present time a bushel of soybeans is costing him $4.80. Processing the beans costs $10 per ton bulk and $11 per ton bagged.

In terms of volume, the current year has not been one of the best for Mark. So far this year he has taken in around 60,000 bushels of beans, compared to 125,000 bushels for all of 1971. This is not to say, however, that business is in a slump. "Labor", says Hershey," will be the biggest inhibiting factor in agriculture for the next 10-15 years." Therefore he prefers not to be involved with problems in finding more good help and maintaining additional equipment. In addition to the feed business itself, Mark also farms a total of 190 acres, half of which is in soybeans, and he has approximately 10,000 chickens producing eggs that are sold on either the wholesale or retail level.

This country was in the depth of the Depression when Hershey was a young man, and that background has much to do with the man's industriousness and tolerance of hard work. In 1931 he started an egg hatching project for FFA, and it grew over the years until he had as many as 70,000 chickens. Various economic developments, however, led to a decision to cut down on the number of broilers and layers, and switch, instead, to the unique soybean operation.

Somewhat concerned about present trends in U. S. agriculture, Mark Hershey displays strong sympathy for the American farmer, who makes up only 4 percent of our country's population, and yet has to produce food for much of the rest of the world. "Farmers are just not getting a fair shake", he comments. Mark does not agree with U. S. trade policies regarding agricultural products and is not optimistic about the possible struggle farmers may have to face in order to survive the economic pressures. "If we had full employment," he suggests, "so that more capable young men would stay on the farm, we would be better off. I can't blame the young people for leaving; farmers just can't compete with the offers being made in town."

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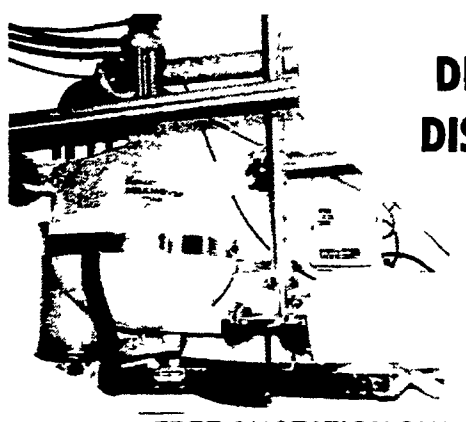

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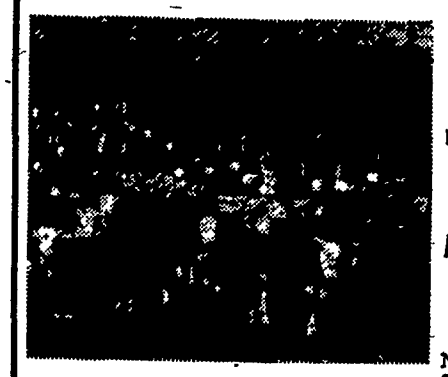

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Beattie Optimistic About Growth of PSU Ag College

Considerable optimism for future growth and progress by the College of Agriculture at The Pennsylvania State University was expressed by the Dean, Dr. James M. Beattie, during the recent 1973 Forage and Seed Conference at University Park.

Dean Beattie mentioned in particular a "phenomenal increase in College of Agriculture enrollments." While total Penn State undergraduate enrollment increased 20 per cent during the past four years, agricultural enrollment went up 99 per cent.

Penn State now ranks 7th largest among all agricultural colleges in the nation with 2,540 undergraduates. Graduate enrollment from 1969 to 1972 went up 10 per cent to 355. Associate degree enrollment leveled off to 275 in 1972 and 1973 but Penn State also ranks 7th in the country for students enrolled in these two-year programs.

Describing renewed emphasis on research and educational programs, Dean Beattie listed increasing emphasis on an interdisciplinary approach to solving animal health problems. In one project, this combines the skills and cooperative efforts of researchers and extension specialists in agronomy, animal science, veterinary science, dairy science, agricultural engineering, and several other departments.

"There will be more of this type of team approach to research, as well as to educational programs, throughout the College in the future," Dean Beattie affirmed.

He said he is convinced it will take the same type of team effort between land-grant institutions, the agricultural business community, and an understanding public if the outlook for agriculture is to remain promising through 1980 and beyond.

Major shifts are taking place in clientele served by colleges of agriculture, he observed. The first is a decline in clientele from commercial agriculture. This is replaced by an increasing clientele of representatives of industries providing inputs and services to farmers. These changes are accompanied by a growing non-farm rural clientele.

Speaking of the attitudes of the American public toward agriculture today, Dr. Beattie observed that, "they are starting to notice us again!"

The Penn State agricultural dean said he believes the nation is entering an era of awareness of agriculture never experienced previously. For many, this will be an era of limitations, he pointed out, as people learn there is no longer a surplus of natural resources in a world hungry for food, energy, and the basic elements for survival.

"The business of supplying food in ample quantity for ourselves and other nations has taken on a prime importance. Food supplies have been recognized as paramount to our balance of payments as well as a powerful diplomatic tool in achieving world peace," he affirmed.

AGWAY

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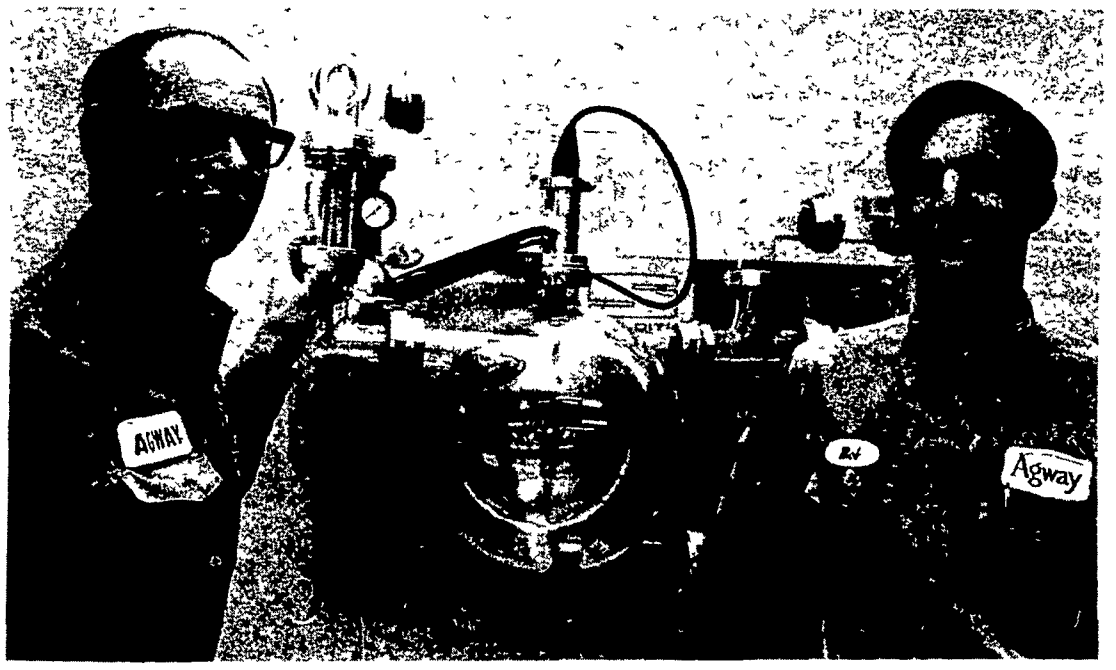

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Twin Valley Hosts Farm-City Breakfast

The Twin Valley Future Farmers of America hosted a Farm-City Week Breakfast in the Twin Valley High School cafeteria recently. The breakfast was prepared by the cafeteria staff under the direction of John Abrams. Approximately fifty persons attended - teachers, local businessmen, agribusinessmen, and farmers.

Special guests were the administrators of the school district - Elbert Eberts, superintendent of Twin Valley School District; Francis Wood, assistant superintendent at Twin Valley, and Robert Moyer, assistant principal for the senior high school, Kenneth Kurtz, assistant principal for the junior high school.

Speaker was Boyd Gartley, public relations director for Interstate Milk Producers Cooperative, Editor of Pennmarva Magazine, and in charge of the regional Laywitness for the United Methodist Church. Gartley gave a very inspiring and thought provoking speech on agricultural economics. The main thrust of his speech was that housewives are blaming the farmer for the high price of food, while food is still a bargain. Gartley stated that the consuming public must be educated about the price of food so they will realize that the farmer does not control the price.

Purpose of the banquet was to provide a chance for local teachers, businessmen, and farmers to meet and discuss common problems.

McHale's Paper Bullets

The Pennsylvania Department of Agriculture has a very energetic staff of public information people who daily mail out news releases concerning the state of farming in the Commonwealth. Reports on crop yields, market conditions, personnel changes and administration farm policy pour out of Harrisburg in a steady stream. These news releases fulfill a vital need, we feel, in communicating to the media, and ultimately to the public, the goings-on of the agriculture department. This kind of work costs money, but it's a small percentage of the department's overall budget, and we feel it's tax money wisely spent.

At least, most of it is tax money wisely spent. Nearly all of the exceptions originate from the office of Secretary of Agriculture James A. McHale. Invariably, McHale's releases address themselves to the sinners in Washington. If the Nixon administration adopted a farm policy which encouraged red apples, you can bet that Democrat McHale would rail against them for ignoring the nation's yellow apple producers. "And what about pears?" he might say. "What does Nixon plan to do about pears?" Everything the administration does is ammunition for McHale's chattering propaganda machine gun, loaded with paper bullets.

The Russian wheat deal has been and still is the subject of McHale propaganda. The latest runs like this: If we hadn't sold wheat to Russia, we'd be in a better position to bargain for oil with the Arabs. Usually, hindsight is much more accurate than foresight, but Pennsylvania's leading arm spokesman manages to thwart even that rule. McHale claims the Russians can step in and make up whatever deficits the Arabs might suffer by a cutback in U.S. grain shipments to the Mideast. If we had the wheat, we'd be in a position to bribe the Arabs into continuing their oil shipments to us.

McHale seems to reason that war, the most asinine of human follies, is amenable to the ordinary rules of economic logic. It's not. In any war, cold or hot, nation's give precedence to victory, not to logic, not to right over wrong, not to good over evil, certainly not to full bellies over empty ones. McHale seized upon the Mideast situation as an opportunity for political propaganda. He spent tax money to disseminate that propaganda, and he was wrong in doing so.

Another news release which passed this desk on its way to the wastebasket concerned the Secretary's dismay over the demise of the Rural Environmental Assistance Program (REAP). In a two-page news release, McHale flogs the administration for dropping REAP because it will result in less lime being spread on Pennsylvania farmlands. What the writer doesn't seem to know is that REAP is definitely a part of the 1974 farm program, and while payments for lime will be discontinued, payments will continue in much more important areas of conservation. Conservation practices like terraces, waterways and farm ponds will still be eligible for REAP funds.

We cite these two examples not to prove that Secretary McHale is guilty of gross misconduct, nor to urge his removal from office, nor even to say that he is doing a bad job, overall, in running the department. Nor do we wish to imply that we think all his political ideas are hare-brained, purposely slanted and based on misinformation.

We wish merely to point out that James McHale is using his office as an appointed government official to launch pointless broadsides against an opposition party in Washington. His goal is not to educate, but to make political hay. We feel he should be obliged to make hay on his own time and at his own expense. He should not milk the taxpayers anymore.

REW

Good Luck, Pat

Pat Erway, after nearly five years on the Lancaster Farming staff, helped put her last issue to bed on Friday afternoon. Pat and the three little Erways will be accompanying husband, Jess, to Penn State where he'll be combining a little teaching with a lot of studying to complete requirements for his master's degree. Jess will be on leave from his job as head of the vo-ag department at Manheim Central.

Pat's bouyant spirit and cheerful voice have become familiar to hundreds of Lancaster Farming readers over the past few years. Her presence here has certainly been a boost both to the farming community and to this newspaper.

We wish Pat and the Erways luck in the years ahead, God-speed, warm remembrance and hope they'll be visiting soon and often.

Top Producing Nation

Congressman Robert Michel of Illinois, speaking before a meeting of retail food distributors, advised food retailers to, "... Let consumers know what the food industry is doing to help them--stores in operation for 24-hours seven days a week, convenience packaging, and your effort to hold down rising food costs... You must ..Tell housewives the facts of life about your business! ... You also need to support the free enterprise system by preaching its validity and value to the nation. We are a great producing nation and the profits of business stimulate that production. This needs to be your educational message."

Much of the stress between consumers and retail distributors has been due to a lack of understanding on the part of consumers of the way mass retail distribution works in a competitive free market. How many consumers are familiar with the cardinal principle of mass distribution--the movement of a high volume of goods at minimum prices? This principle applies to every line of retailing. The point the public must now understand and keep in mind is that inflation is no way changes the principle of the mass-merchandising system prevailing in the United States. Stores continue to operate on tissue-thin profit margins. The compelling urge to maintain high-volume sales and rock-bottom prices automatically places today's merchants in the position of fighting the rising costs of inflation with every resource at their command.

No arbitrary government restrictions on the marketplace can begin to compare in effectiveness with the inflation-resisting characteristics of mass distribution in a free market. As the Illinois congressman emphasized, "... We are a great producing nation ...", and we got that way not only because of the right to make a profit but because of the business philosophy that developed mass production and high-volume mass distribution.

NOW IS THE TIME . . .

Max Smith
County Agr. Agent
Telephone 394-6851

To Control Chickweed in Alfalfa

This is a repeat suggestion but many new-seeded alfalfa stands are being threatened by a rank growth of chickweed. The best time to control chickweed is this fall before winter sets in. To wait until next spring means the plants are more mature and will be harder to kill. Several materials may be used depending upon the age of the stand and if a grass variety is included in the stand. Chloro IPC is a good weed killer but will also kill grasses and should be used in colder weather. The DiNitro sprays are safest to use on grass stands with alfalfa and on new seedings. Karmex and Princep may be used with limitations. Please check with your custom sprayer or dealer, or with your Extension Office. Don't delay chickweed control.

To Insulate Buildings

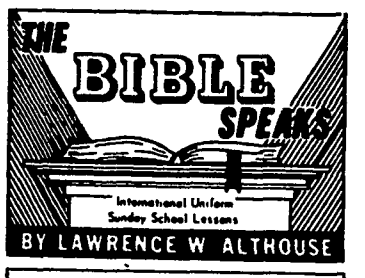
The energy situation warrants attention from everyone including the commercial farmer. This may not only save much-needed energy but will also reduce the cost of production. Insulation above ceilings of farm buildings will reduce condensation during the cold days of winter. In many cases this can be hay, straw, or chopped corn fodder. Environmentally controlled buildings should already be well insulated, but if they are not, this investment should be well worth the time and money. Farmers are urged to contact their local building supply dealer for additional details.

To Forage Test

This is the time of the year when forage testing should give maximum results; with the winter feeding program ahead and the cost of protein feeds a major item, the value of the forage being fed should be very important. If requested, any livestock producer may get a grain ration recommendation along with his forage analysis. To save buying protein in large amounts will surely increase net returns. Both the hay and silage should be tested in order to determine the proper proteins in the grain ration. Forage test kits are available at any Extension Office in the state of Pennsylvania.

To Control Parasites

Efficient livestock production does not include any internal or external parasites on the animals. Stomatch worms are quite common in all species of livestock and may be eliminated by one or more simple treatments. Many feeder cattle brought into the county from any of the southern states may be seriously infested with stomach worms. Local animals may also be infested with body lice that suck blood from the animal and prevent animals comfort. Spraying the animals with cold water and some of the lice-killing materials is suggested. The use of cold water will reduce the danger of the animals catching cold from the treatment. Animals doing considerable rubbing or with bare spots on their bodies are exhibiting symptoms of body lice infection. Fall treatment during warmer weather will reduce the problem for the entire winter feeding period.



TO HAVE LIFE

Lesson for December 2, 1973

Background Scripture: John 1:6-13; 17; 20:30, 31; 21:24, 25.
Devotional Reading: John 1:6-13

Many people have difficulty in understanding and appreciating various books of the Bible because they do not understand the purpose for which the books were written. Often we need help in understanding what was the author's purpose. There are other times, however, when the writer helps us to understand his intentions.

Rev. Althouse

Many other signs

The writer of the Gospel of John tells us very clearly his purpose in writing the book we regard as the fourth gospel. One very comprehensive sentence in John 20 makes it quite clear:

> Now Jesus did many other signs in the presence of his disciples, which are not written in this book ... (John 20:30)

First of all, the writer of John is obviously not attempting to give us a definitive biography of Jesus. He freely admits that there were many significant things which Jesus did which he does not attempt to record. In other words, he is not telling us all that Jesus ever did, but just a portion of his life.

Unlike Luke and Matthew, John has nothing to say of Jesus' life as a child or youth. Even his adult ministry is given in only outline form. We may be certain that there was a great deal more that took place in his life which the writer is not even attempting to cover. A biography tries to give us as much data about the subject's life as possible, but the Gospel According to John was obviously never intended to be a biography.

It is probably safe to assume that even though Matthew, Mark and Luke tell us certain things that John does not, even all four of the gospels do not even come close to telling us all that Jesus ever said or did. Modern historians and biographers like to write that kind of book today, but the writers of the gospels had no interest in history per se. They had another purpose.

"That you may have life"

It is apparent, then, that the writer of John was selective in what he included in his gospel. The things he tells us have a definite purpose and in John 20 he tells us what is that purpose: "... these are written that you may believe that Jesus is the Christ, the Son of God, and that believing you may have life in his name" (20:31).

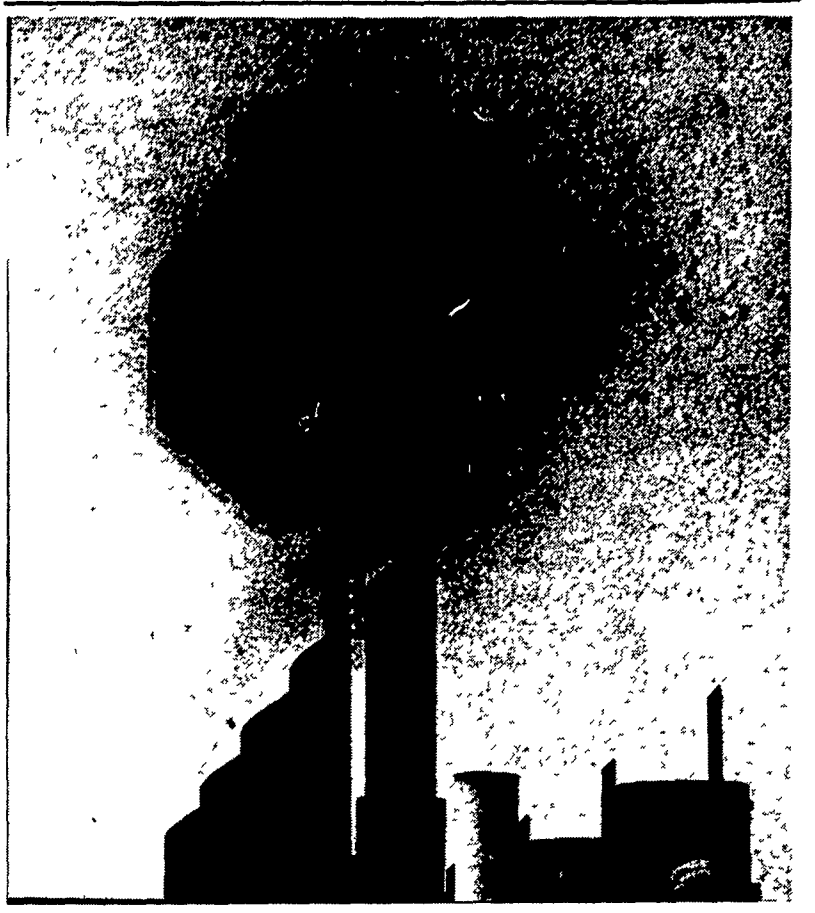
Thus, John picks and chooses what he will tell us of Jesus and the criteria of that choosing is: whatever best helps us to meet and follow the living Lord himself. John uses the terminology, "that you may believe that Jesus is the Christ." but the believing is not an end in itself. The "belief" is not in an idea, but in a person. If through these experiences which he records for us, John can introduce us personally to the living Lord, then what we will get from his gospel is not a lot of dusty facts, but the experiences through which real life is channeled into our lives.

(Based on outlines copyrighted by the Division of Christian Education, National Council of the Churches of Christ in the U.S.A. Released by Community Press Service.)

Winning Conservation Photographers Named

Stephen Kessler 1490 Mission Rd., Lancaster, and Rick Ramsdell, 802 Blue Grass Rd., Lancaster, were named first prize winners in this year's conservation photo contest, held Thursday at the Soil and Conservation Service office at the Farm and Home Center, Lancaster. Both are students at Manheim Township High School.

According to H. Henry Hackman, executive assistant of the Lancaster County Conservation District, there were 16 area high school students entered in this year's contest, and enough photos submitted to cover two walls and a door of the SCS office. Prizes were awarded in two categories, one for beautiful areas of the environment, one for unsightly scenes.



Ramsdell's still-life of tomatoes topped the "Beautiful" shots and another entry Ramsdell captured an honorable mention. Second prize went to Jon Ebersole, 908 Shreiner Ave., Lancaster, and third went to Heidi J. Linn, 195 Stanley Ave., Landisville.

Other "Ugly" winners were Brad Morris, 643 Hampden Road, Elizabethtown, and Brad Brubaker, 240 Landis Valley Rd., Lititz.

Judges for the contest were Grant Heilman, a professional photographer from Lititz, and Dr. Robert Lowing, chairman of the art department at Millersville State College. Prizes were donated by the Conestoga Valley Association, the Lancaster Environmental Action Federation and Earl Rebman.

Conservationist Urges Proper Tree Control

Landowners should cut back woodland along crop fields according to Karl Hellerick of the Lebanon County Soil Conservation Service. A cut back border will remove shade and competition from the adjoining trees and thereby increase crop yield. All trees, 4 inches or more in diameter, should be removed for a width of 30 feet. This wood might be used for timber purposes including fire place wood.

A relative or neighbor, who works in town, could bring a daily load of fireplace wood to energy hungry consumers, or to a retail outlet such as a gas station, or a grocery store. Cutting back borders may be a way for do-it-yourselfers to get their own wood, Hellerick added.

Another benefit of this practice is the creation of an ideal shrubvine area for song birds and wildlife for the next 10 years. Mr. Hellerick concludes that here is a conservation practice that can provide extra income, increase crop yield, increase energy supply and increase wildlife. A real winner!

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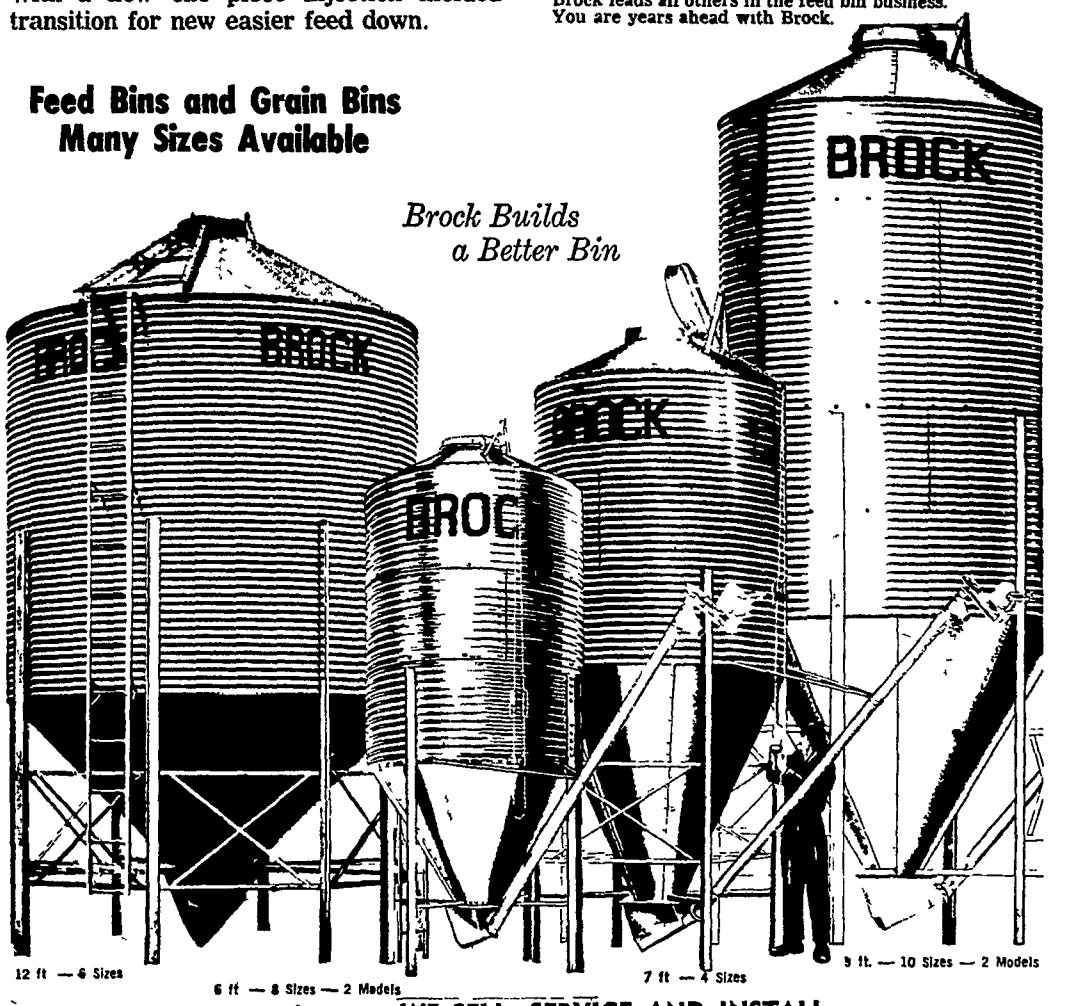

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Good Range Management Can Produce More Meat

Better management of the nation's grasslands can mean more money for the farmer and more meat on the consumer's table, says an official of the U.S. Department of Agriculture.

Kenneth E. Grant, Administrator of the Soil Conservation Service, cites as an example a west Texas rancher whose 19,000 acres barely supported 300 cattle in 1961. Then he switched to a planned grazing system accompanied by brush control and range reseeding. This year his land supported 545 mature cattle, 255 heifers, 750 goats, and an estimated 3,000 wild deer, on better-than-ever grass.

"From reports reaching our range specialists, a 50 to 100 percent increase in range production through these methods is not at all unusual," reports the SCS Administrator.

He says that the benefits – besides more forage for cattle – are stronger and more desirable grasses, resulting in better ground cover; less soil erosion; and more rain "insoak" into the ground. Improved grasslands generally provide better habitat for wildlife as well, he points out.

Planned grazing systems now cover more than 36.5 million acres of grasslands, with 6 million acres going under a plan last year alone, according to SCS.

Systems call for improving grass growth and vigor by fencing available grassland into a number of pastures and allowing heavy, short-term grazing in rotation. After a grazing period, each pasture has a long period of "rest" to allow full grass regrowth.

Soil Conservation Service range specialists – who provide technical help to farmers and ranchers in planning better grazing systems – hope to see several million more acres of land go under some form of improved grazing during the first part of 1974.

Grant added, "With beef demand high – and with rising feed costs facing the rancher – major imporvements in our grassland benefit everyone: the consumer, the animal producer, and the wildlife enthusiast. Planned grazing systems can help sotckmen to produce more – and protect more – in 1974."

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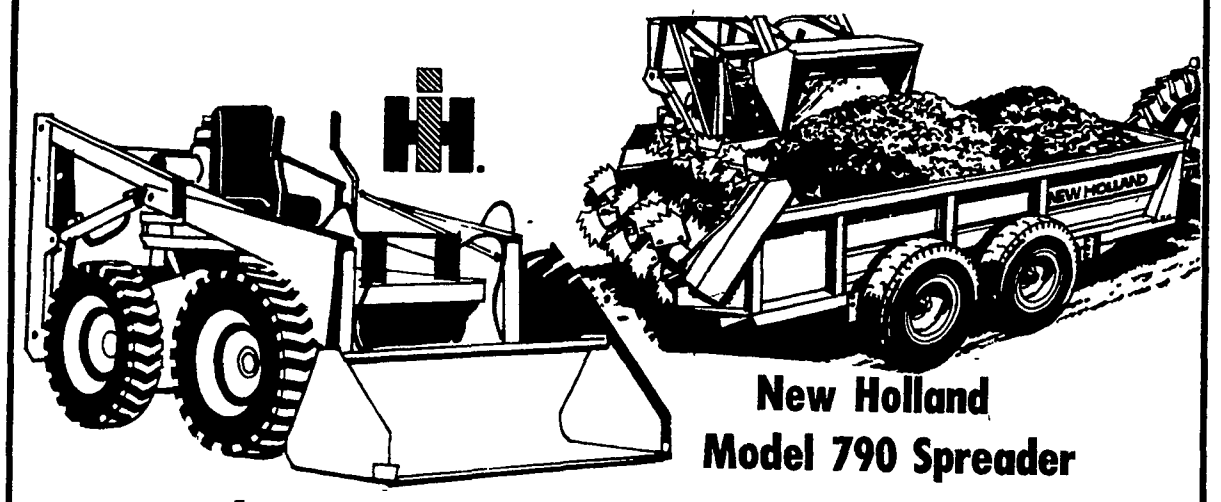

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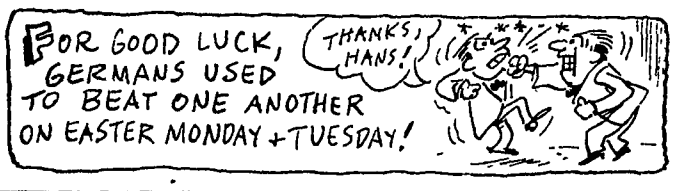

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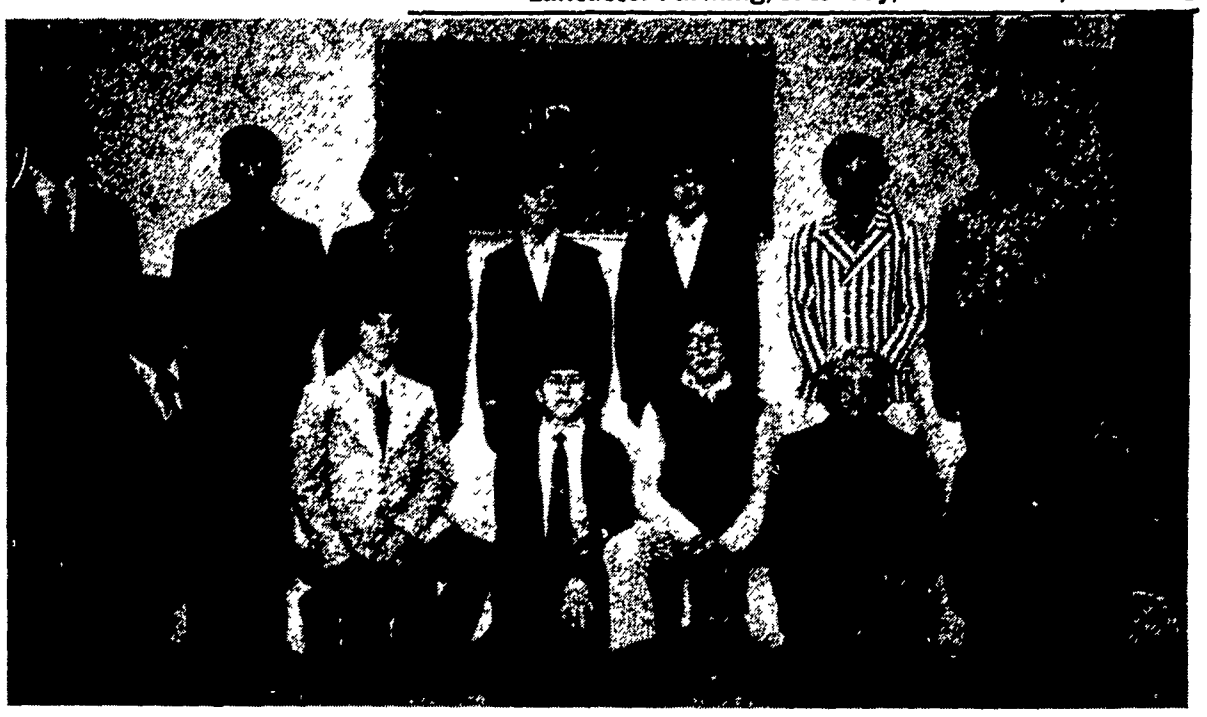

The Greenhand initiation ceremony was held last week at Pequea Valley High School. Greenhands receiving degrees were: (left to right, front row) Larry Stoltzfus, Don Beane, Steve Hylton, Albert Ressler, Kevin Loveless and Steve Diener; (back row) Elvin Weaver, Ron Stauffer Don Hershey, Dale Miller, Larry Dalmas, Galen Sweigart, and Dean Kauffman.

Ideal Research Pig Discovered

The "IDEAL" PIG for swine research has been found. It is derived from the nearly extinct breed called the American Essex.

Several lines of "miniature" pigs have been developed and readily accepted in medical research. However, experience has shown that these "Mini" pigs generally have one or more shortcomings. They are either rare and hard to get, do not adapt well, do not like to be confined in small areas, and as important as anything else, most are mean and intractable.

By contrast, the new line, named the Greer-Radeleff (G-R) pig, adapts well to small pens after freedom on the range, and is extremely docile, a major consideration in research that requires frequent handling. A small herd has been established at College Station, Tex. Veterinarian Harry E. Smalley is in charge of the herd.

The G-R pig is economical to feed, weighs only 40 to 50 pounds at 6 months and about 160 pounds at 2 years, about the same as the "mini" pigs derived from such exotic lines as the Yucatan, Vietnamese, and Corsican pigs. At 3 and 4 years of age, however, "mini" pigs generally gain weight more rapidly and soon weigh as much as 25 percent more than the new line.

The G-R pig breeds readily, has normal gestation length, farrows easily, and has smaller litters than standard breeds. It has normal hematological and biochemical values. It appears to have become, through isolation in nature, specific pathogen free, ectoparasite free, and troubled only by an internal parasite—the roundworm.

The new line was named the Greer-Radeleff pig after the owner of the parent stock, J. Leo Greer, Rock Springs, Tex., and Rudolph D. Radeleff, ARS veterinarian who initiated the project and conducted the long search for the right animals.

The herd is now being increased and maintained at College Station.

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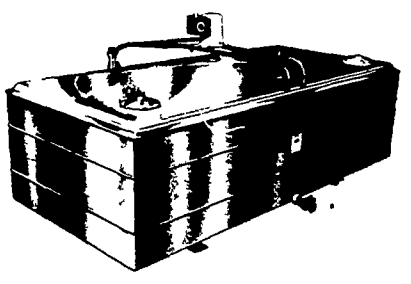

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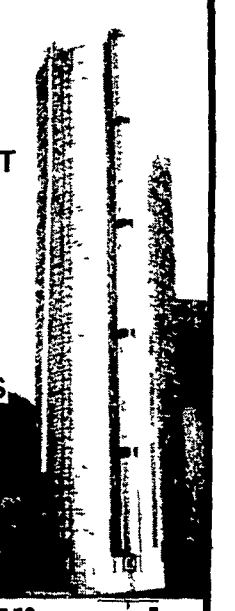

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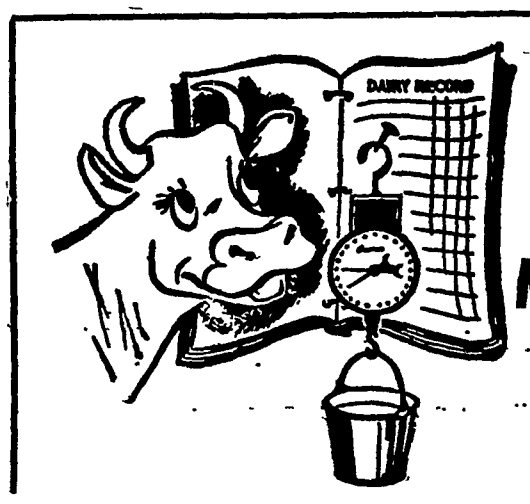


LANCASTER COUNTY DHIA MONTHLY REPORT

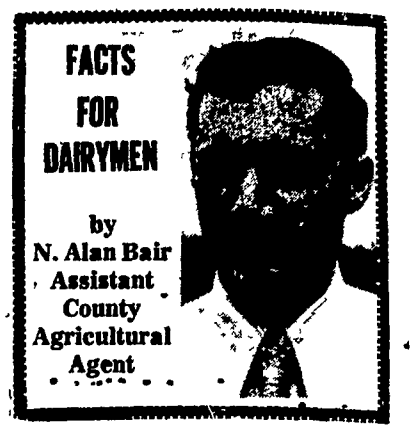
A Registered Holstein cow owned by Rufus G. Martin, Ephrata RD3, completed the highest 305 day lactation. 33 produced 23,460 pounds of milk, 967 pounds of butterfat with a 4.1 percent test. Second high lactation was completed by a Registered Holstein cow owned by Kenneth L. Beiler, Paradise RD1. Betty produced 19,196 pounds of milk, 962 pounds of butterfat with a 5.0 percent test in 305 days.

The herd of Titus B. Stoner, 3207 Bowman Road, Landisville, had the highest daily butterfat average. This herd of 37.0 Registered and Grade Holstein cows averaged 51.5 pounds of milk, 1.93 pounds of butterfat with a 3.7 percent test. The herd of Curtis E. Akers, Quarryville RD1, placed second. This herd of 58.0 Registered and Grade Holstein cows averaged 45.4 pounds of milk, 1.85 pounds of butterfat with a 4.1 percent test.

FIRST 305 DAYS OF LACTATION
WITH 690 OR MORE POUNDS OF BUTTERFAT

Owner - Name	Breed	Age	Days	Milk	Test	Fat
Rufus G. Martin						
33	RH	7-11	305	23,460	4.1	967
21	RH	4-6	305	23,428	3.5	826
Kenneth L. Beiler						
Betty	RH	9-5	305	19,196	5.0	962
Samuel I. Esh						
Bertha	RH	7-8	305	20,154	4.4	883
Ivan Z. Martin						
Pal	RH	4-1	305	22,223	3.9	872
Flo	RH	6-1	305	20,317	4.0	809
Harold M. Shenk						
Petula	RH	3-2	305	22,470	3.9	871
Titus B. Stoner						
Spotty	RH	5-4	305	19,027	4.5	856
Ralph Myer & Sons						
Queeny	RH	5-9	305	19,502	4.4	851
J. Mowery Frey Jr.						
Bobbie	RH	7-0	292	18,286	4.6	846
Earl L. Landis						
Alma	RH	3-11	305	21,487	3.9	835
Brenda	RH	4-9	305	16,959	4.2	712
Lou	RH	4-0	302	19,210	3.7	702
Piebe	RH	8-0	305	16,557	4.2	702
Pure Spring Farm						
Bea	RH	9-10	305	23,348	3.5	823
Roy H. & Ruth H. Book						
Marcy	RH	7-3	305	17,717	4.6	820
Elmer E. Kauffman						
Iva	RH	5-1	305	23,626	3.5	818
John M. Harnish						
Topsy	RH	9-5	305	19,478	4.2	816
Jan	RH	7-3	305	20,003	3.9	772
Patricia	RH	4-1	305	18,578	4.1	768
Samuel F. Sauder						
Rainbow	GrH	9-4	305	19,416	4.2	815
J. Z. Nolt						
Arlo	RH	8-0	305	21,415	3.8	812
May	RH	5-11	305	19,751	3.9	770
Irene	RH	4-11	305	22,263	3.5	776
Kate	RH	5-11	305	21,646	3.4	740
J Eby Hershey						
Sharon	RH	7-4	305	16,397	4.9	810
Moses N. Good						
Spotty	RH	5-3	305	22,784	3.5	804
Adaline	RH	4-1	305	17,206	4.4	757
Ada	GrH	4-2	305	18,929	3.7	706
Melvin M. Groff						
Cammy	GrH	5-4	305	20,333	3.9	803
John N. Shirk						
Lassie	RH	4-11	305	19,591	4.1	800
Model	RH	5-7	264	17,616	4.1	717
John S. Yost						
Mona	RH	5-5	305	20,604	3.9	799
Alicia	RH	3-3	305	17,755	4.3	761
Leon S. Musser						
34	RH	4-6	305	19,499	4.1	799
42	RH	4-11	305	17,952	3.9	702
Nelson H. Hershey						
Sandra	RH	3-10	305	19,946	4.0	796
Ellis D. Kreider						
R 11	GrH	8-11	305	18,779	4.2	790
Sonnet	RH	3-5	305	16,817	4.4	746
Robert F. & Joan B. Book						
Lucinda	RH	4-6	305	17,565	4.5	786
Duchess	RH	6-8	305	17,845	3.9	692
J. Mowery Frey						
Retha	RH	4-10	305	17,043	4.6	786
Maurice F. Welk						
Rosie	RH	4-9	305	16,625	4.7	784
Donald S. Eby						
Bonniel	RH	6-2	305	17,212	4.5	782
Agnes	RH	6-11	305	15,531	4.8	744
Galen W. Crouse						
Winnie	RH	7-11	305	19,776	3.9	772
Jenn	RH	3-1	305	20,674	3.7	763
Albert E. Fry						
Neomi	RH	8-10	305	19,699	3.9	771
Carl G. Troop						
Barbara	RH	6-8	305	18,307	4.2	771
Paul S. Horning						
Bonnie	GrH	3-4	305	22,787	3.4	764
Herbert & Rhelda Royer						
Sport	RH	5-2	305	18,779	4.1	762
Robert L. Shelly						
Beth	RH	5-7	294	20,941	3.6	760
Benuel Z. Lapp						
45	GrH	7-2	293	16,974	4.5	758
S. R. Shellenberger						
Cecelia	GrH	3-1	305	21,121	3.6	756
Hope	RH	4-10	305	17,621	4.2	735
Lou Ann	RH	4-10	305	18,370	3.8	703
Samuel M. Augsburger						
Iona	RH	5-4	305	17,273	4.4	755
Noah Kreider & Sons						
54	GrH		305	17,087	4.4	754
Masonic Homes Farms						
McBeth	RA	5-11	305	15,104	5.0	753
Robert W. Ulrich & Sons						
Pat	GrJ	6-3	305	14,140	5.3	753
44	GrJ	3-6	305	12,985	5.4	701
Amos M. Stoltzfus						
Marlyn	RH	4-4	300	20,634	3.6	752
David W. Sweigart						
145	GrH	4-3	305	17,863	4.2	751
Allen Lee Stoltzfus						
Shirley	RH	4-3	305	18,624	4.0	744
Amos F. Miller						
Betty	GrH	8-11	305	17,462	4.3	744
Dr. Paul S. Schantz						
Rae	GrH	5-6	305	24,094	3.1	743
Nelson E. Martin						
Annie	RH	5-3	305	21,230	3.5	735
Ellis R. Denlinger						
Marcy	RH	5-1	305	16,718	4.4	735
John U. Stoltzfus						
Image	GrH	3-4	299	17,961	4.1	734
Lancaster Mennonite Hospital						
Q. Andra	RH	6-9	305	17,716	4.1	734
Paul N. Brubaker						
87	RH	4-3	305	17,547	4.2	730
Harold L. & Don Risser						
Bunny	RH	7-4	287	16,814	4.3	729
Kathy	RH	5-4	305	16,663	4.2	692
Ezra M. Martin						
Barbara	RH	3-4	305	20,005	3.6	728
Levi K. Stoltzfus						
Drina	RH	8-3	305	20,909	3.5	727
John M. Smucker						
Sally	RH	9-9	305	17,715	4.1	727
Sam & Allen Kreider						
Hattie	GrH	4-11	299	17,018	4.3	727
John U. Glick						
Rene	GrH	3-7	305	15,401	4.7	726
J. Kenneth Hershey						
Glenda	GrH	3-10	305	18,817	3.9	725
Melvin R. Stoltzfus						
Snowhite	GrH	6-1	305	16,494	4.4	724
James L. High						
Tina	RH	6-11	305	16,548	4.4	723
E. Richard Bruckhart						
Tidy	RH	3-8	305	20,154	3.6	721
Marigold	RH	7-8	305	20,954	3.4	719
Raymond & Louise Witmer						
Cherry	RG	4-1	305	13,921	5.2	720
James W. Bowman						
Ruth	GrH	8-9	305	17,781	4.0	718
Nathan E. Stoltzfus						
Orpha	RH	3-2	305	15,516	4.6	718
Jacob S. Dienner						
Milly	RH	5-2	305	18,777	3.8	717
M. Irvin Eberly						
Mae	RH	6-2	305	19,757	3.6	715
Paul E. Martin						
Karen	GrH	5-8	305	17,774	4.0	713
John S. Wenger						
Linda 1	RH	6-4	305	18,666	3.8	712
Quelletal Farm						
Sis 38	RH	6-5	305	16,883	4.2	712
David K. Stoltzfus						
Brenda	GrH	5-4	267	18,296	3.9	711
Rose	RH	7-10	305	19,336	3.7	710

(Continued On Page 15)



Breeding Records

Fall milk has a great influence on yearly income because many dairy farmers make "base" during this time of year. To have a full freshening herd year after year means the cows are getting bred on time and at the right time. Maintaining a high level of breeding efficiency is one of the most serious problems facing today's dairymen. With larger herds, it's becoming more difficult to pay attention to the many details which are essential to regular calving. A good set of breeding records can help insure that your herd will achieve a high rate of conception.

The method or "system" used to keep the records is not important. The two most important things are (1) that accurate and complete information is recorded, and (2) that the information is studied frequently and used as needed. Remember to keep it as simple as possible.

When you set up a record keeping system you will have to decide what records you want to keep. I would suggest that you consider including the following:

— Heat Periods. Every heat period should be noted regardless of animal age. Also note the particulars of the heat such as length, kinds of discharges and time of day first noticed.

— Service Dates. For identification be sure to include service sire.

— Discharges. Any suspicious or unusaul discharge which is observed more than 30 days after calving should be recorded. Also note time and occurance of blood discharges after heat.

— Pregancy Diagnosis. This should be done on a routine basis by a competent veterinarian. Due dates also should be noted at time of diagnosis.

— Veterinarian Examination and Treatment. This information should be obtained from the vet and recorded after each visit for each cow.

These items are suggested as the minimum. Others may be added to suit your conditions. In addition to a permanent record. such aids as a "Heat Expectancy Chart" available from any A.I. organization, can be very helpful in detecting heat.

Getting cows bred on time is one of your most important jobs as a dairyman. Let breeding records make you a more efficient dairyman.

Weaver Firm Promotes Two

Gerald R. Harden, Third Avenue, Morgantown, and Richard L. Rupp, RD2, Ephrata, have been named to the positions of Sanitation foremen in the manufacturing division of Victor F. Weaver, Inc., New Holland, by Lester B. Weaver, production manager.

Harden, a native of Lancaster County, joined Weaver in 1972 as a sanitation worker. He was later named to the position of group leader which he held prior to his promotion.

In his new position he will be responsible for supervising the sanitation operation within the Chicken Roll division.

Rupp, came to Weaver in 1972 as a floorman in the Eviscerating department. Since then he has held positions of resource worker and group leader within the Eviscerating department.

In his new position, Rupp will be responsible for supervising the sanitation operation within the Parts Processing division.

Book Herd Cited

Milk and butterfat production levels established by Registered Holstein cows in this area have been reported by the Holstein-Friesian Association of America. All cows are from the herd of Roy H. and Ruth H. Book, Roaring Maples, RD1.

Cows recognized for their exceptional food producing ability are: Roaring Maples General Gloria, age 7-11, 18,300 pounds milk, 747 pounds fat, 4.1 percent test in 329 days milked.

Roaring Maples Jerry Jessica, 3-7, 17,350 pounds milk, 626 pounds fat, 3.6 percent test in 305 days milked.

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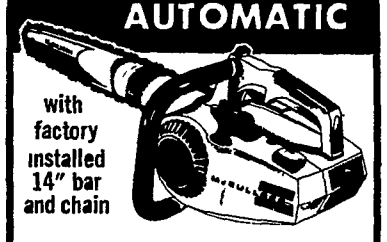

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*less cutting attachments

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Use McCulloch chain bars and sprockets.

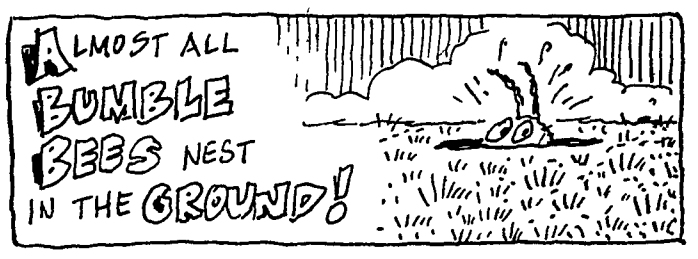
DHIA MONTHLY REPORT

(Continued From Page 14)

Clair M. Hollinger						
Marle 14	RH	5-0	305	17,417	4.1	711
Quarryville Presbyterian Home & Vernon Weaver						
51	RH	4-2	305	17,397	4.1	711
William F. Guhl						
6602	RH	6-9	305	17,374	4.1	711
John E. Kreider						
Freda	RH	8-2	305	16,247	4.4	710
Mervin Sauder						
Rosie	GrH	9-0	305	14,617	4.9	710
Samuel F. King						
May	GrH	5-1	297	17,604	4.0	709
Harry L. Troop						
Terry	RH	5-3	296	15,455	4.6	709
Ammon E. Reiff						
Amy	RH	10-1	305	19,546	3.6	708
Dan S. Stoltzfus						
Ronda	RH	2-4	301	16,232	4.4	708
John B. Groff						
June	RH	5-11	300	17,061	4.1	706
John L. Landis						
88	GrH	2-0	305	17,312	4.1	704
Apollo 21	RH	5-8	282	18,744	3.7	702
Glenn C. Hershey						
Louise	RH	12-0	305	17,574	4.0	703
Jonas B. Lantz						
Mae	RH	5-8	305	20,525	3.4	701
Clyde M. Buchen						
Molly	RH	4-10	305	16,979	4.1	701
Martin E. Ressler						
Ellen	RH	4-1	305	16,677	4.2	701
J. Robert Hess						
Della	RH	6-9	305	16,387	4.3	700
Martin N. Heisey						
Elsa	RH	5-5	292	18,298	3.8	699
Clyde W. Martin						
Tidy	RH	4-4	305	19,242	3.6	697
Sunny Craft Farm						
Nanette	RH	8-11	305	16,715	4.2	697
Elmer H. Weber						
Connie	GrH	4-4	305	18,050	3.9	695
Dale E. Hiestand						
Irene	RH	7-4	274	14,621	4.8	695
Brinton & Eager						
Carmen	RH	9-6	305	17,539	3.9	692

HIGH DAILY BUTTERFAT AVERAGES

Breed	Days On Test	No. Cows	% Cow Days In Milk	Milk Lbs.	% Test	Fat Lbs.
Titus B. Stoner						
R&GrH	34	37.0	97.4	51.5	3.7	1.93
Curtis E. Akers						
R&GrH	27	58.0	91.5	45.4	4.1	1.85
J. Ray Ranck						
GrH	33	31.0	90.3	50.0	3.6	1.81
Ellis D. Kreider						
R&GrH	24	46.9	93.3	43.7	4.0	1.74
Lloyd Wolf						
R&GrH	31	57.2	84.1	40.1	4.2	1.68
Rufus G. Martin						
RH	31	26.0	83.0	45.1	3.7	1.68
Jacob M. Conley						
R&GrH	28	34.3	95.3	43.2	3.8	1.66
Martin N. Heisey						
R&GrH	33	48.0	92.9	48.6	3.4	1.64
Lloyd H. Ranck						
RH	28	49.7	79.1	42.4	3.8	1.62
Donald S. Eby						
RH	33	54.4	85.6	40.9	3.9	1.61
J. Z. Nolt						
RH	41	35.0	77.0	44.3	3.6	1.61
Enos K. Miller						
R&GrH	30	34.0	99.6	49.2	3.3	1.61
Nelson H. Wenger						
R&GrH	31	22.8	93.6	41.8	3.9	1.61
James W. Bowman						
R&GrH	26	36.0	84.1	43.2	3.7	1.60
Lee Landis						
GrH	16	9.0	100.0	45.2	3.5	1.60



PLAN NOW FOR 1974
Dave Hillman, Lebanon, Dauphin County
717-362-3252
Says:
Conserve Energy — Join Dec 27 & 28
Bus Tour & Dale Clary Alfalfa Meeting
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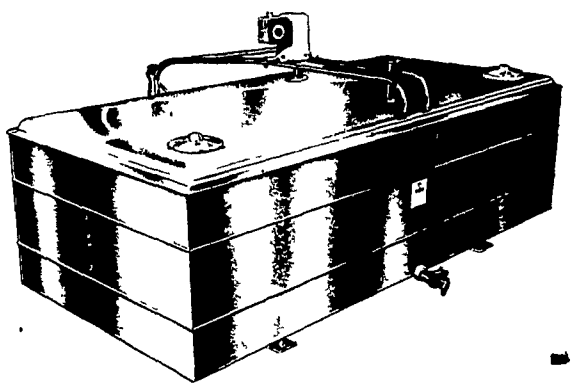

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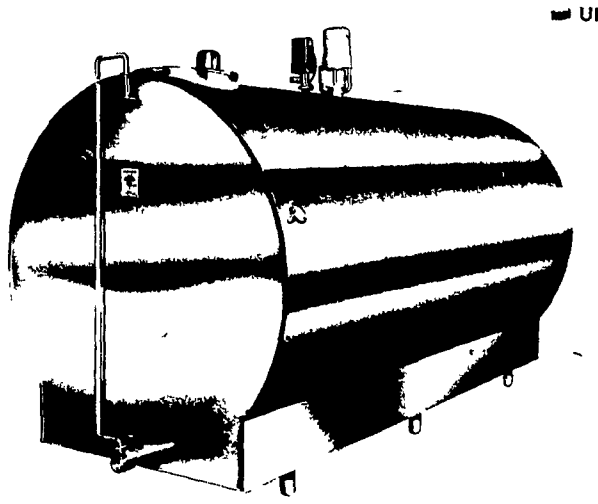

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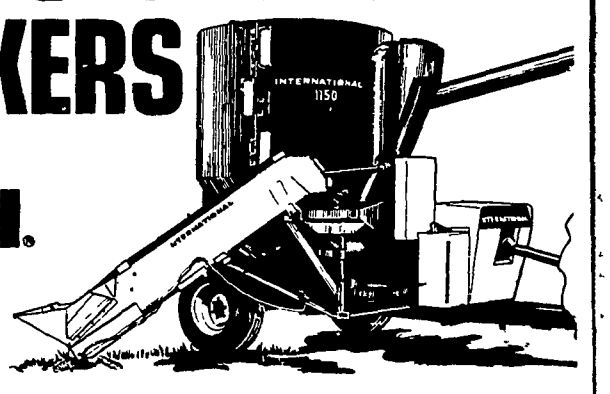

- NEW 600 square inch screen area increases grinding capacity up to 18,000 pounds of corn an hour, increases delivery to the mixing tank
- NEW double auger flighting provides thorough, vibration-free mixing with all feeds
- NEW adjustable hay retarders (standard) assure thorough grinding, better mixing with grains and concentrates, positive flow of materials through the mixer.

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On the Importance of Hay

Haymaking in the United States today appears headed in several directions at the same time.

One trend is toward growing more and better hay crops. Farmers watched helplessly during the past year as protein feed prices climbed to well over $400 a ton. Good hay, when it could be found, was expensive.

Hay prices on the open market last winter varied from $50 to $100 per ton, delivered, depending on quality and availability. One of the highest prices reported during the year was $127.50 a ton for a load of alfalfa hay sold at public auction in New Holland.

Farmers realized they would have to grow much of the protein for their cattle on their own farms. Not only did they plant more soybeans, but many farmers also increased their acreage of hay crops and are paying closer attention to hay quality than ever before.

A second trend showing up on farms across the country is in feeding hay. After experiencing serious illness and calving problems as a direct result of no-hay diets for their cattle, dairymen especially are discovering that Bossy is made for hay and without some in her diet, she may just break down.

Dr. Sam Guss, Pennsylvania State University veterinarian notes that a cow on a no-hay, haylage, or all corn-silage ration during the critical preparation period ahead of calving can be headed for serious trouble.

Neither haylage nor corn silage provides the muscle-stimulating exercise needed by the rumen to get in condition for the coming lactation, he said. Because finely chopped forages move through the rumen quickly, it temporarily becomes smaller in size. Ketosis and displaced abomasums often follow, Dr. Guss said.

But probably the greatest change in haymaking recently has been in the mechanics of getting the crop harvested and out of the field. One-man hay systems have stormed to the front in an era when the farmer no longer permits himself the luxurious drudgery of endless summer days in the hayfield.

Equipment now available to the farmer enables him to cut, condition, windrow and stack either baled or loose hay without ever having to touch the crop with his hands. Gone are the long, hot hours most teenage farm boys remember spending in the peak of a barn, putting up 90 pound bales in 120 degree heat.

A farmer today can stack five tons of baled hay in the barn in little more time than it takes to back a New Holland automatic bale wagon into place. He can just as easily go back anytime he wants to retrieve and haul that five tons of hay to another location for either feeding or selling.

In a serch for an easier way to harvest hay, some farmers have returned to making loose hay stacks that resemble giant loaves of bread in the field. Even the old buck rakes have reemerged on a few Western ranches. Still other farmers are trying to get their haymaking done with giant half-ton bales. In some areas, facilities have been established to make pelleted and cubed alfalfa as well as an assortment of hay cakes and tiny bales.

These newer hay systems have clearly presented a challenge to time-proven baled hay methods. Loose hay systems offer the farmer a quick way to harvest his crop—if in-the-field storage and feeding suit his operation.

Numerous articles have appeared in the farm press during the past year comparing the cost of baled hay systems to loose hay methods. Where the cost of harvesting was the only consideration, the loose hay systems appeared to be less expensive—but the crop was still out in the field. Such comparisons are of little help to the farmer who wants to grow top quality, high protein hay that will enable him to save on next winter's feed bill.

Farmers who each year have their hay tested for protein, roughage and TDN (total digestible nutrients) know all hay is not the same. Baled hay, properly stored under roof is almost without exception of higher feeding quality than the best hay from a loose stack that has been subjected to wind, rain and sun.

The farmer interested in what has become known as "fancy" hay can today have his crop harvested and safely stored in the barn quicker than almost any other crop he raises and without ever having to touch the bales with his hands.

Hay is fast becoming an important cash crop on American farms and if prices last year were an indication of things to come, the future is bright. Farmers who can grow and transport it can expect to find a ready market for their hay this year, even though $100 a ton may be the exception. Western ranchers this summer have been offered $45 or more a ton for hay in the field.

Alfalfa in particular has been receiving much attention this year. U.S. Department of Agriculture researchers at Beltsville, Md., see alfalfa as an important protein source in coming years for both people and animals. Alfalfa in some form, they say, may soon be added to breakfast cereals to supply much needed nutrition.

Other research at Beltsville has resulted in anthracnose resistant varieties of alfalfa which should soon be available to farmers. Higher yielding and more nutritious varieties are also in the future.

Haymaking during the past decade has been taken out of the hand labor era and placed squarely in the space age. Men and the machines they operate have made it so.

New Cooperators

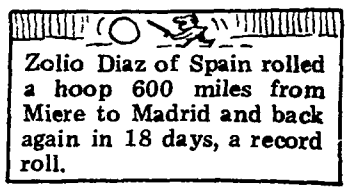
The Lancaster County Conservation District announces the following new cooperators:

Fred Appel, Sadsbury Township, 30 acres; P. Robert Wenger, E. Drumore, 420 a.; J. Earl Wenger, E. Drumore, 106 a.; Donald E. Ruhl, Rapho, 18 a.; John C. Kreider, Manheim, 111 a.; C. Roy Bixler, E. Donegal, 60 a.; John R. Zimmerman, Ephrata, 60 a.; Lloyd D. Esbenshade, Rapho, 105 a.; Wayne Stauffer, E. Donegal, 107 a.; John R. Groff, Upper Leacock, 90 a.; Roy J. Lehman, Drumore, 125 a.

E. Robert Nolt, W. Hempfield Township, 100 acres; Russell Adamire, Jr., Rapho, 136 a.; Naaman C. Yoder, Sadsbury, 92 a.; J. Harold Buckwalter, Penn, 18 a.; Daniel K. Hershey, Penn, 90 a.; J. Kenneth Miller, Pequea, 95 a.; Jacob M. Conley, W. Hempfield, 50 a.; Kenneth Meck, Strasburg, 90 a.; John H. Henkel, Strasburg, 30 a.; Willie D. Stober, E. Cocalico, 54 a.

Donald S. Eby, Leacock and Paradise Township, 120 acres; Kenneth Matz, Rapho, 63 a.; Clarence H. Eckman, Manor, 85 a.; Chester S. Stoltzfus, Paradise, 46 a.; Earl Newcomer, Manor, 82 a.; Eugene Hummer, Clay, 12 a.; John E. Kniesly, W. Hempfield, 95 a.; M. Joan Armstrong, New Providence, 57 a.; Abram K. Fisher, Manor, 26 a.; Edwin L. Keener, W. Donegal, 58 a.; L. Eugene Martin, W. Cocalico, 90 a.

David H. Cassel, Penn Township, 102 acres; Ernest Lefever, Manor, 84 a.; Grayvill Becker, Warwick, 90 a.; Philip G. Kinsey, Providence, 22 a.; Roland Sharpless, E. Drumore, 177 a.; John B. Noll, E. Hempfield, 82 a.; Wilmer Groff, Rapho, 43 a.; Allen Groff (Lehman), Rapho, 17 a.; Allen S. Groff, Rapho, 146 a.



Zolio Diaz of Spain rolled a hoop 600 miles from Miere to Madrid and back again in 18 days, a record roll.

PLAN NOW FOR 1974

Bob McSparren, Chester County

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Says:

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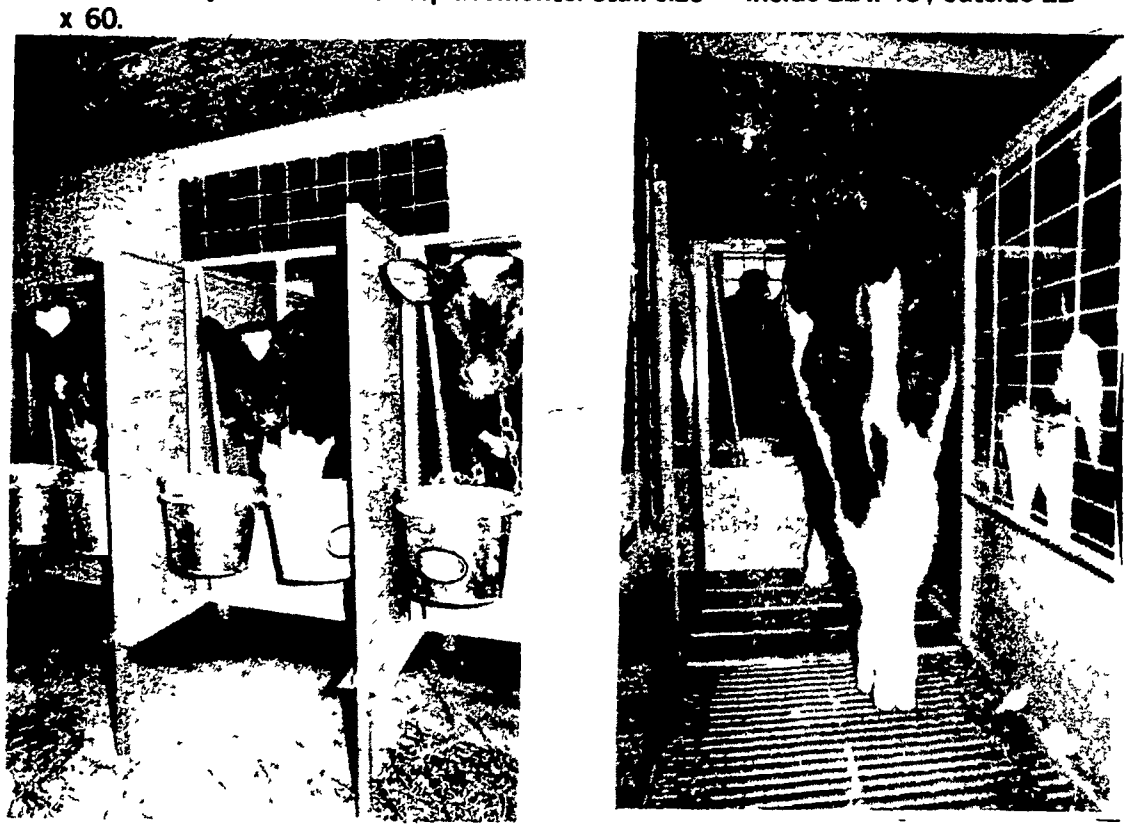

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Govt., Farmers Discuss Fuel Supply Problems

Representatives of 17 farm groups met in Washington recently with Under Secretary of Agriculture J. Phil Campbell and other officials in the first of a planned series of meetings to explore agriculture's energy requirements to meet the nation's food needs.

Campbell said he is confident that the Department and farm groups working together will solve the farm fuel supply problem but cautioned that there is no quick and easy solution and that the problem is one "with which we must live week by week and month by month."

The Under Secretary announced that the Agricultural Stabilization and Conservation Service (ASCS) has been assigned Departmental responsibility for dealing with the energy crisis. Nicholas H. Smith, assistant deputy administrator of programs for ASCS, has been designated as coordinator of energy with USDA, he said. This function will continue until the energy crisis is resolved.

The farm groups pledged to support a fuel conservation effort but warned what consumers may expect if agriculture does not get sufficient fuel. They said that:

--Fewer acres would be planted.

--Acreage that does get planted might not be cultivated and-or fertilized to the desired level, resulting in reduced food and fiber production.

--Harvesting might be delayed.

--There could be insufficient transportation to move harvested crops.

--Commodities could suffer quality damage or even spoilage.

Smith, who served as discussion chairman, reminded participants that the state and county offices of ASCS have been monitoring the farm fuel situation for months and assisting farmers by reporting their needs to the appropriate governmental units established to handle hardship cases. This service will continue, Smith said, and personnel of these offices will be available also to provide fuel supply information to farmers and to help them verify fuel needs and support their requests.

However, Smith stressed that "there are no fuel spigots at ASCS offices". Hardship requests for aid in obtaining farm diesel fuel should be made to state governments, he said. Other fuel needs should be directed to the Regional Office of Petroleum Allocation. The USDA will help the agricultural producer identify the offices or persons designated to provide this service, he added.

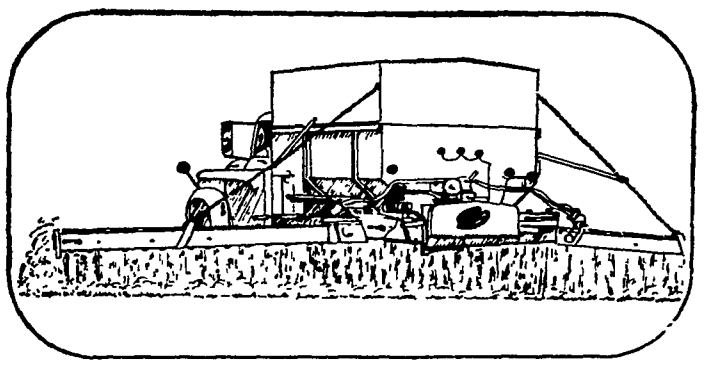
Agronomists and agricultural engineers and scientists will work with USDA in preparing a program of additional farm fuel conservation practices, Smith said. Representatives of the farm groups pledged their support in making this conservation data available to agricultural producers.

Smith noted that ASCS has cancelled its state conferences this year in order to conserve transportation fuel. Other Department travel will be curtailed or omitted wherever possible, he said.

Department officials will meet in Washington later this month with farm equipment manufacturers and others of the farm industry to seek additional fuel conservation measures, Smith said.

One of the largest contingents at the annual Pennsylvania Farmers Association convention last week in Camp Hill was the group from Lancaster County. At the convention were Mr. and Mrs. Donald Hershey, Mr. and Mrs. Reid Wissler, Mr. and Mrs. Jesse Balmer, Mr. and Mrs. Ivan Yost, Mr. and Mrs. Carlton Groff, Mr. and Mrs. James Shertzer, Mr. and Mrs. Ellis Mentzer, Mr. and Mrs. James Kreider, Mr. and Mrs. John Myer, Mr. and Mrs. Robert Kauffman, Mr. and Mrs. Earl Newcomer, Mr. and Mrs. Jason Weaver, Mr. Mark Campbell, Mrs. Helen Wivell and Mr. James Hess.

APPLY LIME ON FROZEN GROUND



Don't hesitate to apply lime, even if the ground is frozen. The freezing and thawing action of Winter helps disseminate the lime, assuring you a properly balanced soil, ready for Spring plowing. And remember, liming pays in extra bushels and tons of crops and forage.

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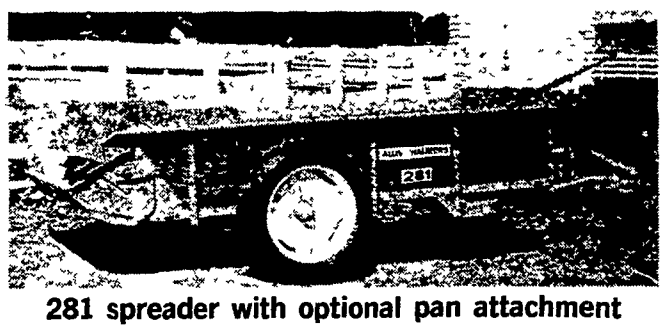
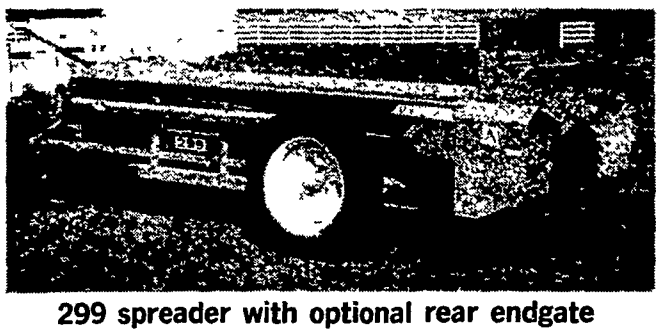


281 spreader with optional pan attachment



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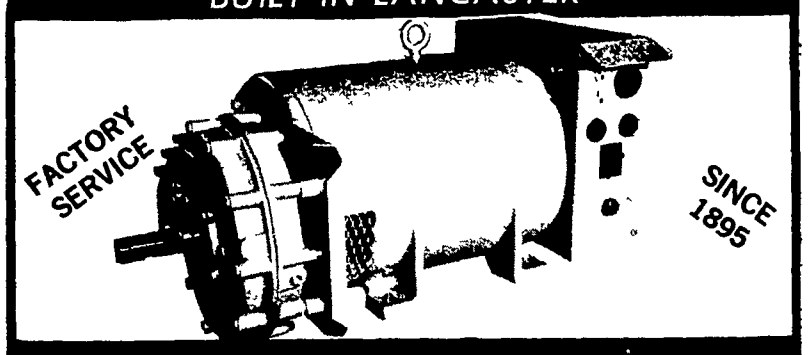

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Two Lebanon County farmers, who produced the state's best silages during 1973, were honored at the annual Forage and Seed Conference November 19 at The Pennsylvania State University. Warren Bucher, second from left, of RD2, Myerstown, receives plaque for his champion hay crop silage sample; and third from left, Robert Weidler, of RD2, Palmyra, who exhibited the grand champion corn silage sample. At left is Newton J. Bair, assistant Lebanon County agent; and right, J. N. Weidman, of Pioneer Hybrid, Inc., president of the Pennsylvania Grassland Council.

U.S.-China Soybean Cooperation Urged

A leading American economist has suggested that the United States and China create a Sino-American soybean research institute to boost production and ease shortages of soybeans in protein starved parts of the developing world.

Lester Brown, a senior economist at the Overseas Development Council, in Washington, D.C., believes the combination of American technology and know-how combined with the wide variety of soybean germ plasm in China could boost production to meet the protein needs of the developing nations in Asia and Africa.

The United States and China account for 90 per cent of the world production of soybeans, a major staple in the diets of Asians and Africans. Soybeans also are the dominant source of protein for livestock and poultry feed in North America and Europe.

But although American farmers are planting increased acreage in soybeans, the yield per acre has remained almost static.

With nearly all the idle farmland in the United States being put back into food production, increased production of soybeans has about reached the maximum under known methods. This limit is being reached at a time when demand for more protein, particularly the high quality protein contained in soybeans, is sharply rising.

In an editorial in Science Magazine, Brown said, "These difficulties in raising soybean yields in a land-scarce world suggest the need for a much greater research effort and in particular for the creation of a Sino-American soybean research institute.

"Since the soybean originated in China, it probably has the most diverse available collection of germ plasm, a vital asset in an expanded soybean research effort.

"On the other hand, scientists in the United States have expanded a great deal of effort to devise better cultural practices and to make the soybean plant more productive.

"The critical importance of the soybean to both economies, not to mention mankind as a whole, and the pressing need to achieve a breakthrough in yields of soybeans, argues for a pooling of germ plasm, the coordination of research efforts and the sharing of research results,"

Brown said while worldwide demand for protein is growing, "the supply problem is less promising."

Although one in every six acres of American cropland now is planted in soybeans, the Department of Agriculture projects a decline in the soybean crop in 1974 as other crops compete for acreage.

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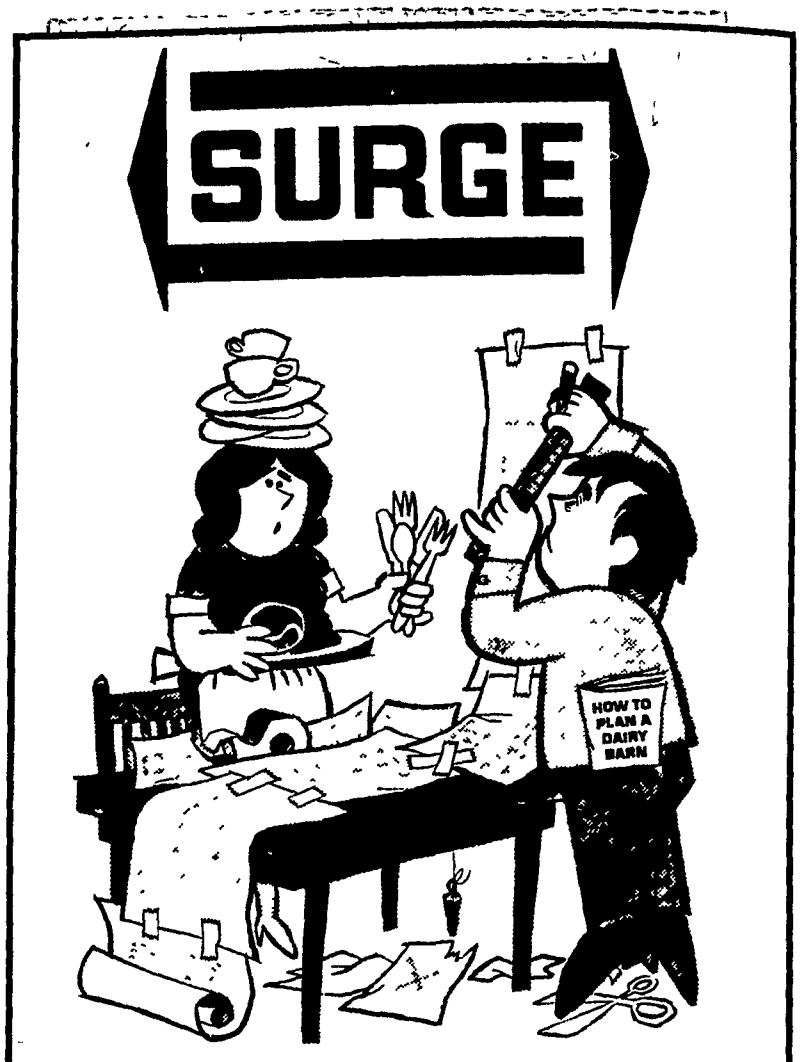

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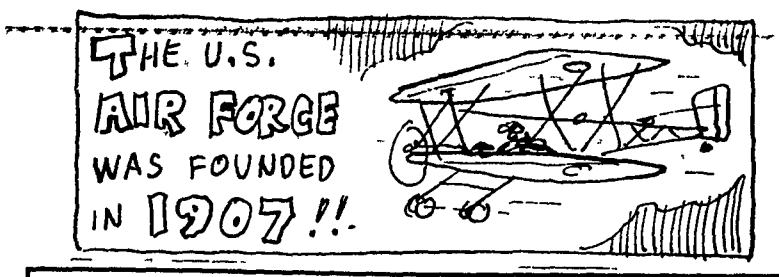


USDA Issues Satellite Maps

The first cloud-free maps of the United States based on imagery received from a satellite are now being prepared and realeased to the public by the Soil Conservation Service (SCS), U.S. Department of Agriculture.

They will provide planners and others with an unparalleled overview of the physical features and natural resources of the nation.

The maps, technically known as "mosaics," offer the first image of this country not obscured by clouds and distortions.

The maps are being made by SCS under contract with the National Aeronautics and Space Administration (NASA) from images sent back to earth by the ERTS-1 (Earth Resources Technology Satellite). The satellite obtained the images by scanning the earth 565 miles below with sensing devices which measure reflectance in four different bands of the spectrum.

SCS selected images from two of these bands--the red and infra-red--to construct four mosaics of the United States. Two mosaics show summer imagery and two show winter. The images obtained from the satellite in its passes over the earth are selected and blended to obtain cloud-free "pictures." Proportions are adjusted by SCS mosaic-makers to conform to a standard map projection.

The resulting mosaics provide a view of earth features of this country from a perspective never before possible. Clearly visible are mountains, lakes, reservoirs, rivers and their tributaries, and geologic features such as faults and escarpments. Vegetation, or the lack of it, shows more clearly on the mosaics made from the red band imagery. Water and drainage patterns are clearer on those from the infra-red band.

"It is possible to see the United States as even the astronauts never saw it," said William M. Johnson, deputy SCS administrator for soil survey, "since the view from space is always partially obscured by clouds. The Soil Conservation Service will use the new mosaics as base maps for showing the location of soils on a statewide and regional basis, and many other public and private mapmakers are going to find them equally valuable."

Mr. Johnson said he also expected the mosaics to be used by scientists concerned with conservation and the environment; geographers; land and water resource planners; geologists; foresters; and teachers at all levels.

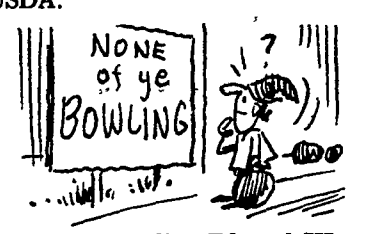
"These are the most informative base maps that SCS has ever had," the soil scientist pointed out. "All the land features are there--if you know how to read them--and, more importantly, they are there in proper spatial relationship to one another."

Three basic sets of the 48 contiguous states are being released: at a scale of 1 to 5,000,000, there is a set of six 20-by-24 inch sheets; at 1 to 1,000,000 there are sets of 17 large sheets or 54 smaller sheets. Other scales will be available from enlargements of these. A separate series of Alaskan maps will be available in infra-red summer imagery only. Hawaii will not be available.

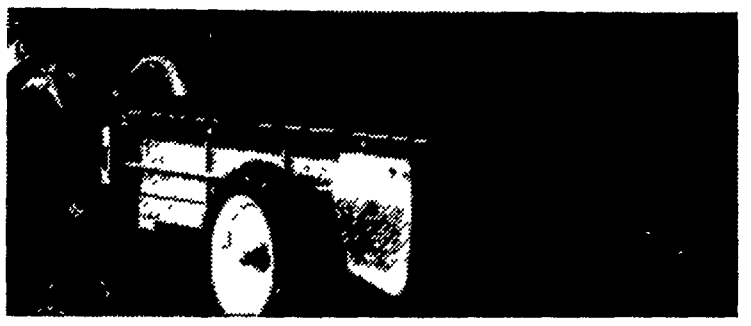
The maps are highly accurate. The maximum locational error of any feature shown on the mosaics should be one mile--approximately 1-16th of an inch on a map of the U.S. that measures 10 feet by 20 feet.

Sheets of the summer mosaics are now available for the West Coast, Rocky Mountain, and Great Plains states. Sheets showing the Mid-East, the Atlantic Coast, and New England will all be available by April 1st.

The 1:5,000,000 six-sheet mosaic is being sold for $7.50 a sheet. The 17-sheet 1:1,000,000 set will be sold for a total of $285, and the 54-sheet set of the same scale will be sold for $405. Orders or requests for information should be directed to the Cartographic Division, Soil Conservation Service, Federal Center Building No. 1, Hyattsville, Maryland 20782. Check, money order, or draft should be made payable to the Soil Conservation Service, USDA.



In 1366, King Edward III of England, thought he was on the ball when he called bowling dishonorable, useless and unprofitable, and had it outlawed.



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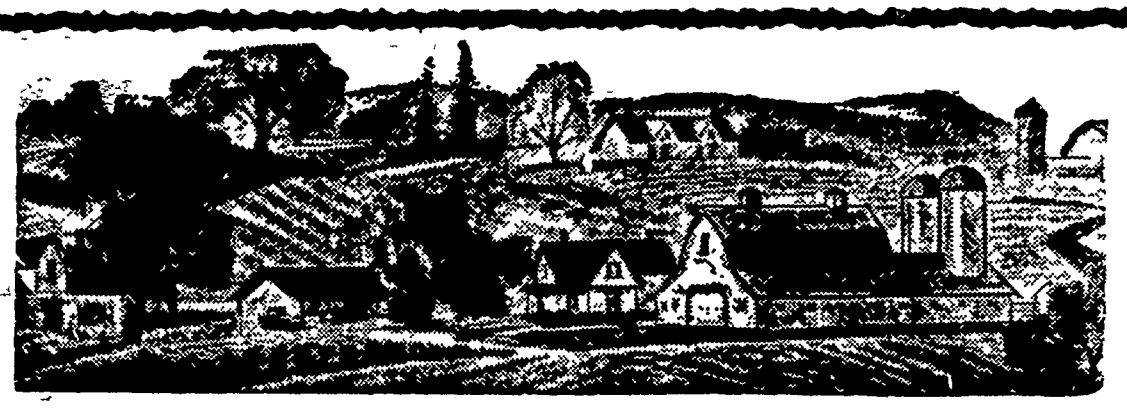

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For Cliff Holloway

(Continued From Page 1)

topsoil, but the rain did rip out one of our grass waterways. We're having a little trouble getting the waterway reestablished, but I think we'll get it done."

In addition to the home farm, Holloway owns another 196 acres close by, and rents another 150 acres. In all, he grows some 200 acres of corn and 70 acres of hay to feed his 115 head of Holsteins. On the other farm which he owns, Holloway has installed terraces and grass waterways, and has been planting continuous corn on part of that farm for the past six years.

"Every year, our corn yields go up," Holloway said, "so I don't see any reason to take the land out of corn. This year some of our fields tested at 147 bushels to the acres. Fertility was low when I took the farm over, and most of the yield increases came from the lime and fertilizer I put into the fields. The terraces not only save my topsoil, they help to keep my lime and fertilizer in place, too. I'd sure hate to see my fertilizer being washed out of the fields by a heavy rain."

During Agnes, Holloway said the terraces filled up with water, but it was surprisingly clear water because any silt that was dislodged by the driving rains simply settled out in the terraces. Soil moved, in other words, but the movement could be measured in inches and feet rather than miles, and it stayed on the farm.

Conservation measures like terraces can be expensive, Holloway pointed out, and a farmer can't see the returns on his investment as quickly as he can with other management practices. "But if a farmer stops to think about what he's losing when his soil, his fertilizer and his lime are being washed into a stream, it doesn't take long to realize that conservation pays. And one thing I hate to do is cross a gully with equipment. That's a dangerous thing to do, and I don't have that problem here."

Besides strips and terraces, Holloway experimented this year with another conservation practice that's being discussed more and more - minimum tillage. "We haven't tried no-till yet," he said, "but we did plant some corn this year in fields where we used a chisel plow rather than a moldboard. We went through stover with the chisel plow and then vibra-shanked ahead of the planter. Some beautiful corn came off those fields. We tried chiseling sod and planting corn, too, but that didn't work so well."

Practically all the crops grown on the Holloway farms are fed to the dairy cows, and to the 30 head or so bull calves which are raised for beef each year. The Holloway's, Cliff Jr., and Cliff III, also raise nearly all their own replacement heifers.

All the corn silage is put into a 17-foot deep trench silo, some haylage goes into an upright concrete stave silo, and all the grain corn goes into another silo. Holloway is crazy about his trench silo and the special unloader he uses to get the silage out of the trench. "My unloader was the first one like it in the East," he says, "and I had to drive all the way to Missouri to buy it."

He and Mrs. Holloway, Marian, did in fact drive to Missouri in a truck to bring back the unloader. It's used throughout the Midwest, Holloway saw it in his travels and decided he could use one in Lancaster County. Unfortunately, though, there were no dealers here and the company was reluctant to ship one because of the possibility of damage.

The machine has been in daily use for three years now, and Holloway says he wouldn't part with it.

Hay and silage are tested routinely as part of the Holloway operation. "Whenever we think we see a change in the quality of the silage, we get it tested so we can change the ration if we have to," Holloway said.

Clifford III started working fulltime on the farm when he graduated in 1971 from Solance High School. Besides the two Cliffs, there's one man to help with the milking and one to help with outside work. Marian Holloway was born on the farm now owned by her husband. Besides their son, the couple have a daughter, Carole, married to James Huber, a farmer from Little Britain.

Clifford Jr. is active in Fulton Grange, treasurer of his subordiante Grange and on the executive committee of the State Grange. He's a member of the Pennsylvania Farmers Association, a member and past president of the Solanco Young Farmers and on the advisory committee for the Quarryville Medical Center, the advisory committee for the Solanco Vo-Ag department and on the Governor's Committee for Solid Waste Disposal.

Asked what he thinks of the future of farming in Lancaster County, Holloway replied, "I told the family that 25 years from now they would probably have to move somewhere else if they want to stay in farming. The land around here is just going to be too high-priced to keep at it, and the zoning laws we have aren't very effective in keeping land in farms."

YOUNG & OLD . . . Two young visitors, Rachail and Susanne Breen, with their mother, Vickie Breen marvel at a 50,000,000-year-old formation at Onondaga Cave, Leasburg, Mo. The cave was discovered by Daniel Boone in 1798.

CORRECTION

We reported erroreously last week that Eugene Thompson had been elected president of the Pennsylvania Farmers Association at that organization's annual meeting recently in Camp Hill. The item should have said that Mr. Thompson was made a vice-president of the organization. John Pitzer is still president of PFA.

National Food

(Continued From Page 1)

of Food, Nutrition of Food, Energy and Food Production, Land and Food, International Aspects of Food Policy, Distribution and Food, Economics of Policy and Food, and Institutions for Implementation of Food Policy.

The conference will open at the Hotel Hershey Dec. 6 at 9 a.m. with remarks by Gov. Milton J. Shapp, McHale, and U.S. Rep. Joseph P. Vigorito (D - Pa.).

Featured speakers expected at the conference include, Sen. Hubert Humphrey (D - Minn), Sen. Adlai Stevenson, III (D - Ill.), Sen. James Abourezk (D - S. Dakota), Sen. Walter F. Mondale (D - Minn.), and Rep. Bob S. Bergland (D - Minn).

Invitations to the conference have been extended to governors, USDA Secretary Earl Butz and state agriculture secretaries, representatives of all the major farm organizations, food processors, consumer groups and agencies involved in distributing surplus farm produce abroad such as CARE and AID

At least five foreign embassies have indicated they will send representatives to the conference. These include, England, France, Germany, India and Pakistan.

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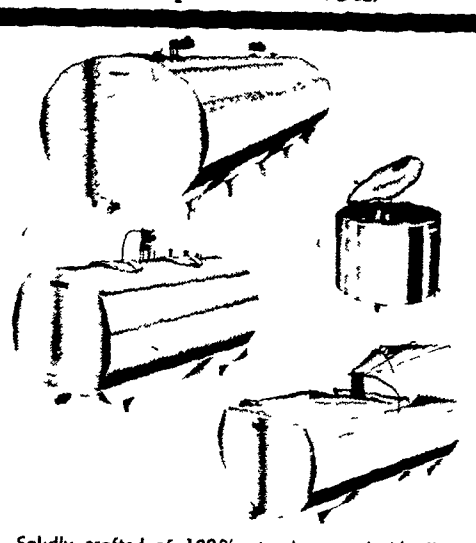

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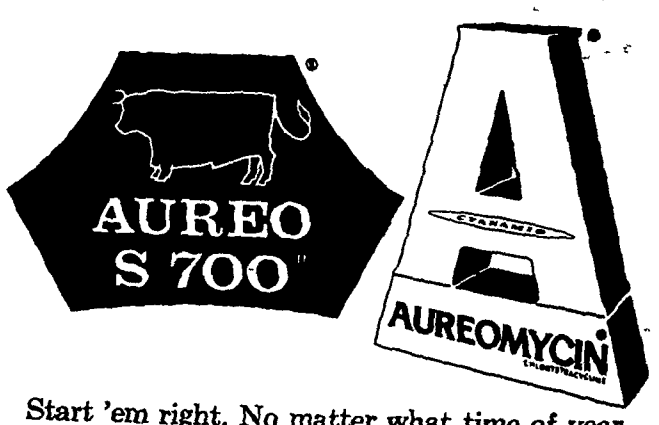

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Are Whole Beans Good

(Continued From Page 1)

back meal, said that although it looks like the farmer's getting robbed, this isn't the case. "Soybean oil is worth a lot of money to the processors, more money than its worth to the farmer," he said. "The oil is what pays for all the freight and handling charges. Besides, most of the beans from this area don't go any farther away than Maryland, so there's not really that much freight involved."

Assistant Lancaster County Agent N. Alan Bair said that the economy of feeding raw, cooked or extruded beans is in serious question. "Remember," Bair said, "that the whole bean is only 34 to 38 percent protein, while soybean meal runs around 44 percent. So a farmer who feeds his own beans is feeding less protein in a pound of feed. The fat in the beans also means that you've got to be careful you don't get too much fat in the cows' diet. The upper limit on feeding whole beans is 25 percent of the grain ration. With bean meal, a dairyman could go higher than that, although normally he wouldn't."

Feeding whole beans - raw, cooked or extruded - to dairy cows is a practice many dairymen have adopted because they feel whole beans, with their higher energy content, are worth more than bean meal, even if they do give up some protein. Some have had good luck with the feed, some have been disappointed.

It's hard to argue with success, especially the kind of success that produces world records in dairy production. Allen Rearick of Millheim, Pa., is a firm believer in extruded soybeans, and he's got the world's butterfat record to back up his claim that it's top-notch dairy feed. His Gladell Governess Bess, a four-year -old Registered Holstein, recently finished a 359-day lactation in which she produced 39-969 pounds of milk and 1913 pounds of butterfat, a world fat record for all breeds and all ages. One amazing thing about this cow is that she gets no special treatment, no special feed. She's just one of the girls.

Another of Rearick's cows finished a lactation with 40,600 pounds of milk, 1686 pounds of fat. In fact, in Rearick's 36-cow herd, 14 animals have pushed through the 1000 pound fat mark.

Rearick told Lancaster Farming that he'd been using extruded soybeans for just about a year. He buys beans on the open market, and runs them through an extruder which he owns. "When those beans come out of the extruder," Rearick said, "I can give them to a cow that's been off feed and she'll gobble them right up. I think they help me to maximize production because the cows like them."

Rearick feeds his beans as a top dressing on the grain ration. He grows most of his grain needs and buys brewers grains and he feeds his cows all the top-quality alfalfa hay they'll eat.

Gary Stoltzfus, who works for his father on a dairy-farm in Elverson, said they tried feeding extruded beans to their herd of 65 Holsteins last year. "Our fat test went up about 2 points to maybe 4 or 4.1 percent," Stoltzfus said, "but I just didn't feel we were getting the milk out of the cows we should have been getting."

The dairyman said that it would probably take about 40 acres of ground to raise enough soybeans to fill their needs for a year. "And then we've got to pay to have them cooked, we've got to haul them to the cooker and haul them back."

Processing costs for a ton of beans is running about $10 to $11 locally, a cost which can't be ignored in figuring the economics of home-grown beans versus purchased bean meal. Another item that can't be overlooked is the cost and availability of custom combining, since most farmers don't have their own combines.

Stoltzfus said they had harvesting problems last year. "We couldn't find anybody to harvest our crop," he said, "and the beans don't do you much good if they're sitting out in the field."

Harvesting problems and-or equipment costs were factors mentioned by several other farmers in their decisions to stay out of soybeans. And at least one farmer said he stopped growing soybeans when his custom harvester left a lot of the crop in the field. "It wasn't his fault, really, it was just that his four-row header couldn't handle the steep slopes that I farm," the farmer said.

Kenneth Rutt, a Quarryville dairy farmer who also raises a considerable quantity of soybeans, said he had never been able to make the figures favor feeding his own beans. He sells all his beans, sometimes under contract, sometimes on the open market. "Right now, for example," Rutt said, "we can sell our whole beans with 38 percent protein for about $200 a ton. We can buy 44 percent soybean meal for about the same price. So I can't see any reason for feeding the beans. I know you get the oil, but I'm not so sure I want to give the oil to my cows."

Perhaps the most ardent detractor of feeding whole beans was Dr. Richard Adams, Penn State's extension dairy nutrition specialist. He said, "With beans selling at $6 a bushel, a guy would have to have rocks in his head to feed them to cows."

Adams also said that historically, it's been economically advantageous to sell beans rather than feed them, but that he wouldn't rule out the possibility of market changes temporarily favoring the feeding of whole beans.

Summing up, there seems to be a lot to say against growing or buying whole beans and feeding them to dairy cows. If the whole bean is fed, it must be ground, and there can be no urea added to the ration. Urease, an enzyme in the uncooked bean, reacts with urea to release ammonia before the feed reaches the rumen, thereby detracting from the ration's nitrogen content. Steam cooking or extruding kills the urease, but costs about $10 a ton for the treatment. And growing beans means relying on custom operators or buying a combine.

Nevertheless, the practice does have its strong supporters, many of whom claim considerable success with whole beans, raw or cooked, and at least one dairyman who claims extruded beans have brought him a world record in fat production. Farmers who want to feed processed beans will find processing services available from Garber & Shenk, Mount Joy, Mark Hershey, Lebanon, and Stevens Feed, Inc., Stevens.

A real snake in the grass in a Colonial pharmacopoeia was a plant called buglos, which was thought to cure snake bites because it looked like a snake's head.

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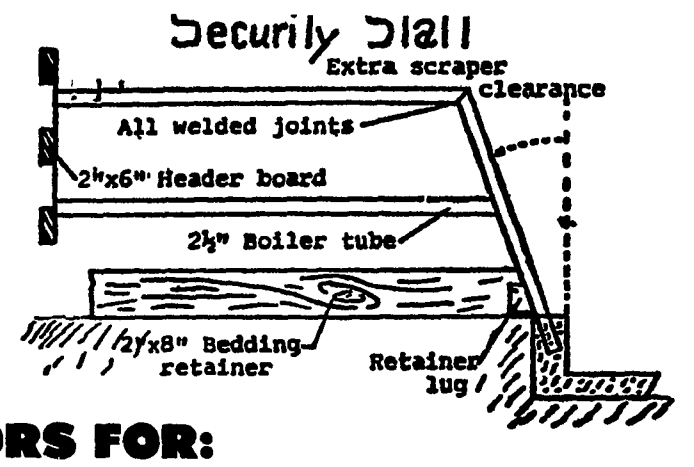

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Homestead Notes

Pat Erway, Editor

Betty Jo Heisey: Gift Wrapping Should Be Economical

Recycling Products To Wrap Your Gifts

Farm Feature Writer

By Mrs. Charles McSparran

With over three weeks left to wrap your Christmas gifts there is plenty of time to make each one a real conversation piece. Mrs. Wallace R. (Betty Jo) Heisey, 60 N. Hazel Street, Manheim, theorizes "You have to know the person and you think of what their hobbies and their favorite colors are." Mrs. Heisey, who decorates the box lids, says "It's the gift, plus the box you can use several times." She believes that after you've spent so much time and in some cases considerable expense that you should be able to use the package again.

Mrs. Heisey has been putting on gift wrapping demonstrations for a number of organizations for ten years or more. She puts on a dozen or more a year. She does it for any group who asks her, such as Fire Company Auxiliaries, Churches and Farm Women Societies. It started in her own Sunday School class. She gives a talk entitled "Packages For Pennies" and sometimes shows a craft in addition to the techniques of gift wrapping This is the busiest time of year for her. She is in the midst of a half dozen demonstrations before mid-December. She uses mostly shelf paper and tissue for wrapping materials which are more economical. However, they do give a very nice appearance.

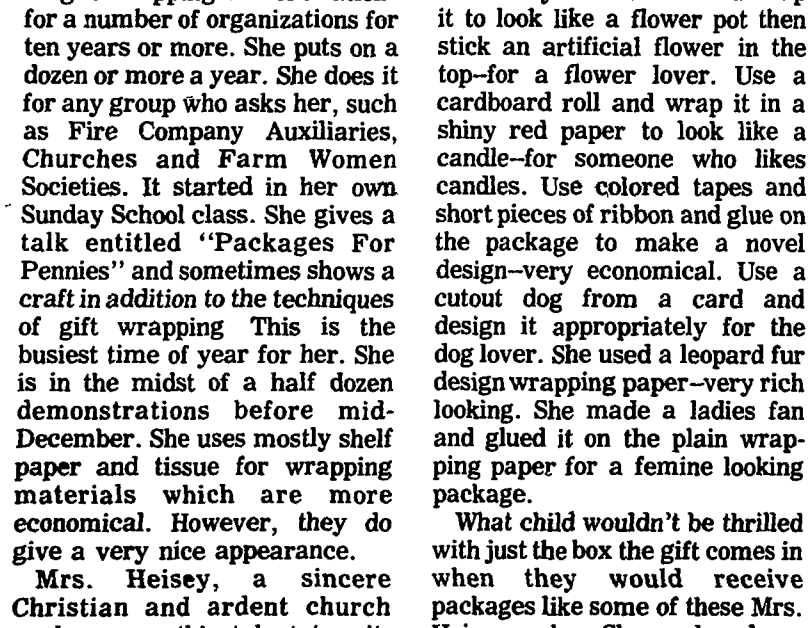
Mrs. Heisey, a sincere Christian and ardent church worker, uses this talent to witness. She not only puts Christ into Christmas but puts Him in her everyday living. She says "It has become one more way of demonstrating Christ. Since He gave me the gift I always start out these demonstrations with acknowledging it."

Some ideas Mrs. Heisey has used for difficult things to wrap, yet can be done very effectively and inexpensively by using things around the home are: making a triangular package and decorating the lid to resemble a Christmas tree with green shreds of green tissue paper, paper angels and a few small Christmall balls on it.

Use a cylindrical box and wrap it to look like a flower pot then stick an artificial flower in the top–for a flower lover. Use a cardboard roll and wrap it in a shiny red paper to look like a candle–for someone who likes candles. Use colored tapes and short pieces of ribbon and glue on the package to make a novel design–very economical. Use a cutout dog from a card and design it appropriately for the dog lover. She used a leopard fur design wrapping paper–very rich looking. She made a ladies fan and glued it on the plain wrapping paper for a femine looking package.

What child wouldn't be thrilled with just the box the gift comes in when they would receive packages like some of these Mrs. Heisey makes. She made a drum from a round can. It could contain lots of small things to delight the small boy in the family.

She turned the lowly cardboard oatmeal box into a shaggy white poodle; cut out round pieces from different colored pieces of foil and drew strings onto them to look like a balloon; made Santas out of bits of colored paper and cotton then glued them on wrapped box lids; fashioned a Santa from an inverted grocery bag decorated with shreds of white tissue paper, glued eyes, nose and mouth on it and put a red cap on top.



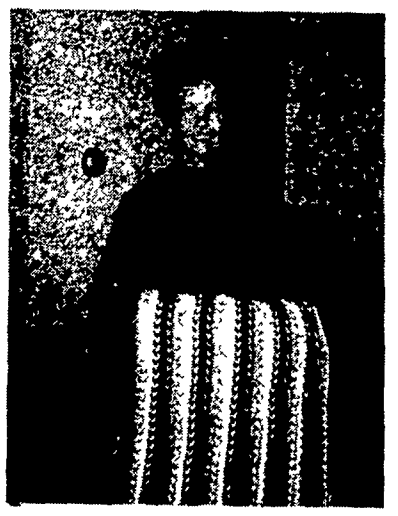
Some packages decorated to please children. Note the drum, white poodle, and varicolored balloons in background. To the right is a decorated inverted grocery bag.

Did some of these ideas get you to thinking about what you can do? With a creative mind, the sky's the limit.

Mrs. Heisey has a great philosophy when she says "I think there would be happier women if they developed a talent. It's just a matter of developing what God gave us." It's no wonder then that she is so happy because she does all kinds of crafts.

Sewing, although she wanted no part of it when her mother tried to get her to sew, has been something that she developed because of the need to get along with what she had when her children were small. She relates that she always had to alter her own clothes even if she bought them new and many clothes were given to her which she made to fit.

Mrs. Heisey made the hobo clown dolls in background which are made of yarn. She also made the clever yarn animals, using pompons.



Betty Jo Heisey made this beautiful hairpin lace afghan and several others. She also made the antiqued flower arrangement behind her.

She said her husband was a mailman and they had three children in three years so she made shirts, pants and everything. She recently made herself a red plastic coat and a coat and hat for her granddaughter. She does a real professional job. She said "God gave us all talents and so maybe He gave me this to use."

One of Betty Jo's latest crafts is making hairpin lace afghans. She started about a year ago and is working on her sixth one.

She started making hobo clown dolls from yarn about three weeks ago. They are cheerful little ornaments about eight inches tall that would lend interest to packages, the Christmas tree, wreaths or for toys.

She has been making small yarn animals using pompons for quite a while. Her originality is terrific. She makes bears, owls, monkeys, elephants, mice, rabbits, chicks, ducks or just about any animal. She teaches teenagers to make them, and gives them as gifts. She says "It's fun to take them to hospital patients. I don't make them to sell, yet I end up selling them. I like them because it's creative and it's fun. I need to feel that it's worthwhile."

Mrs. Heisey has made most of their Christmas tree ornaments. Lately she has been making paper angels. She makes six accordian pleats with white paper for the skirt and four folds for the wings. A gold band neck ties the two parts together. She glues the head to tooth picks to fasten onto the angel.

Other crafts Betty Jo enjoys is painting tinware in Pennsylvania Dutch designs (tole) and decorating eggs. She coats the eggs with a mixture of salt, alum, flour, water and food coloring. She has painted some too. She puts florists clay in them and sticks flowers in the clay. She decorates trees with them for Easter and gives them away.

She also antiques plastic flowers for arrangements.

She grows yellow marguerites and likes to give bouquets of them to friends.

Betty Jo came from Ohio. She had two years training for nursing. She did some practical nursing in recent years.

Wallace is superintendent of mails in the Manheim Post Office. When he and Betty Jo were first married he moonlighted working on the farm and he still helps his uncles sometimes on their farms.

Heiseys have three sons and one daughter. All the boys had paper routes and worked their way through college.

Greg graduated from Millersville State College and is doing graduate work there. He teaches English and Literature at Cocalico High School. He

(Continued On Page 24)

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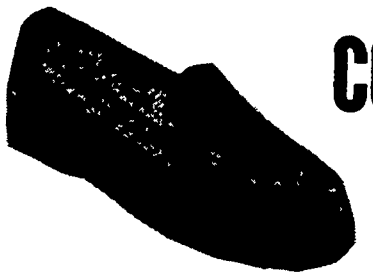

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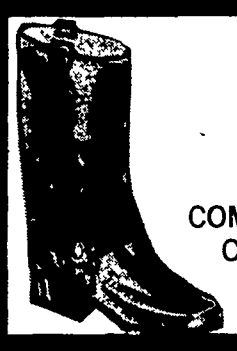

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Recycling Products To Wrap Your Gifts

(Continued From Page 22)

married Anne Huber of Millersville. She is a beautician and has a shop in their home. They have a daughter and a son. Greg built a dark room at his home and does colored pictures and commercial photography. He also teaches photography in connection with a class at Millersville.

Mike (Michael) went to Stevens Trade School. He took cabinet work there and has made a gun cabinet and other nice pieces of furniture. He was in the Air Force four years. He married Mary Hoffert who is a trained nurse. She does private duty in Manheim. They live in Quaker Hills, Lancaster. Mike works for Caterpillar in York. He took up sheet metal work in the Air Force and is working up to tool and die making at his work.

Linda Jo went to Goldey Beacom College and is a private secretary at Rimar Manufacturing Corporation. She is married to Tom Goshorn, who also works at Caterpillar, York. Linda is an expert seamstress, makes almost all of her clothing, and is also an excellent cook. She took first prizes at the Pennsylvania Farm Show on a suit, a wool toy and a chocolate cake.

Steven, 19, went to Millersville State College a half term then went in the Navy. He is in the nuclear electronics branch, working onsubmarines. He is stationed at Bainbridge, Md. but will move to Connecticut January 15.

Mrs. Heisey says "All our children have inquisitive minds and we taught them, 'All have God's gifts and only as they use them do they grow.'"

The Heisey family are all active members of Salem United Methodist Church, Manheim. Mrs. Heisey teaches the adult coed Sunday School class of all ages. She is head of Social Concerns and The Helping Hand. This name is just what it implies. They furnish transportation, take in meals at the time of a funeral or when someone is sick, wash windows, have volunteer drivers to take people to all their services, send out letters two or three times a year to their servicemen and college students and give financial aid. It's mostly people helping people. They have been doing this for four years or more. Mrs. Heisey organizes this work with the help of two assistants.

She belongs to the United Methodist Women and goes to most of their meetings. They do things to help people. They give money to Welsh Mountain Clinic and do sewing for the district Ingathering. Mrs. Heisey also speaks at other churches. Another noteworthy gift of time of hers is going to Quincy Home at Lititz every week to read to the guests and help with crafts.

Mr. and Mrs. Heisey find time for relaxation by playing bridge and going to the mountains. Mrs. Heisey belongs to a women's bridge club and they both belong to another bridge club. They have a two-bedroom mobile home in Perry County where Wallace likes to hunt. He also hunts small game and plays golf.

Mrs. Heisey says "I love to cook. I enjoy cooking for company." This finds her entertaining a lot. Here are a few recipes to try for this Christmas season.

Cranberry Relish

Use fine blade on grinder.
Grind:
1 quart cranberries
2 oranges, quartered and seeded

Add 1 1-3 cups sugar and simmer 15 to 20 minutes. Allow to cool. Add 1 20 ounce can crushed pineapple, juice and all.

Prepare 1 3-ounce package peach gelatin. Jell until livery. Beat lightly with wire wisk or rotary beater. Add to the cranberry mixture.

May be refrigerated at least two weeks.

xxx

Raisin Cookies

1 cup raisins
1 cup water
¾ cup shortening
1 cup sugar
3 cups flour
1 teaspoon baking soda
1 teaspoon baking powder
1 teaspoon vanilla
1 egg

Cook raisins and water until ½ cup juice remains. Cream shortening. Add sugar and beat well. Add well beaten egg. Sift flour. Measure and sift again with other dry ingredients. Add dry ingredients alternately with juice, mixing well. Add vanilla and raisins and mix well. Drop by teaspoonsful onto greased cookie sheet. Bake 15 minutes at 375 degrees. Yield approximately 3 dozen.

xxx

Romanian Cookies

6 cups flour
1 pound butter
6 eggs, slightly beaten

Set aside for 15 minutes to activate yeast:
½ cup warm milk
1 teaspoon sugar
1 cake yeast

Blend flour and butter. Add eggs and milk mixture and mix. Chill dough several hours or over night. Roll out small quantity of dough one-quarter inch thick. Cut in squares. Fill with nuts. Roll in crescent shapes. When using ground nuts use enough honey or syrup to make them stick together. Bake 10 minutes at 375 degrees.

xxx

English Muffins
(makes 20)

1 cup milk
2 tablespoons sugar
1 teaspoon salt
¼ cup (½ stick) butter or margarine
1 cup warm water
1 package or cake dry yeast, active dry or compressed
5½ cups unsifted flour (about)
Cornmeal

Scald milk; stir in sugar, salt and butter or margarine; cool to lukewarm. Sprinkle or crumble yeast into warm water in large warm bowl; stir until dissolved. Stir in lukewarm milk mixture. Add three cups flour; beat until smooth. Add enough additional flour to make soft dough.

Turn out onto lightly floured board; knead until smooth and elastic—about 8 to 10 minutes. Place in greased bowl, turning to grease top. Cover; let rise in warm place, free from draft, until doubled in bulk, about one hour. Punch down; divide in half.

On board heavily sprinkled with cornmeal, roll gently each piece to thickness of one-half inch. Cut into circles with 3-inch cookie cutter. Cover; let rest on board 30 minutes. Carefully place on lightly greased medium-hot griddle, cornmeal side down. Bake until bottom is well browned, about 15 minutes; turn and bake about 15 minutes longer.

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Here are some ideas on how to save hot water and lower your water-heating costs. In these days of increasing energy costs coupled with a strong need for energy conservation, it pays to save wherever we can.

★ *Set the thermostat on your water heater no higher than required. If you have a dishwasher, a 150 degree setting is sufficient. For general purposes, 140 degrees is plenty hot.*

Check your setting . . . if too high, save by turning it down.

★ *Getting into the shower habit rather than taking tub baths can save hot water . . . Filling the tub can use 15 gallons of hot water . . . a shower uses as little as 8. Always try to hold shower time to a minimum.*

★ *Insulate hot water pipes! This helps prevent loss of heat as water travels from your water heater to point of use. Saves heat . . . saves energy!*

Remember, too, operate clothes washers and dishwashers only when fully loaded to save on hot water — and, in general, never use "hot" when "warm" or "cold" will do.

Look for other energy-saving tips from your electric company.

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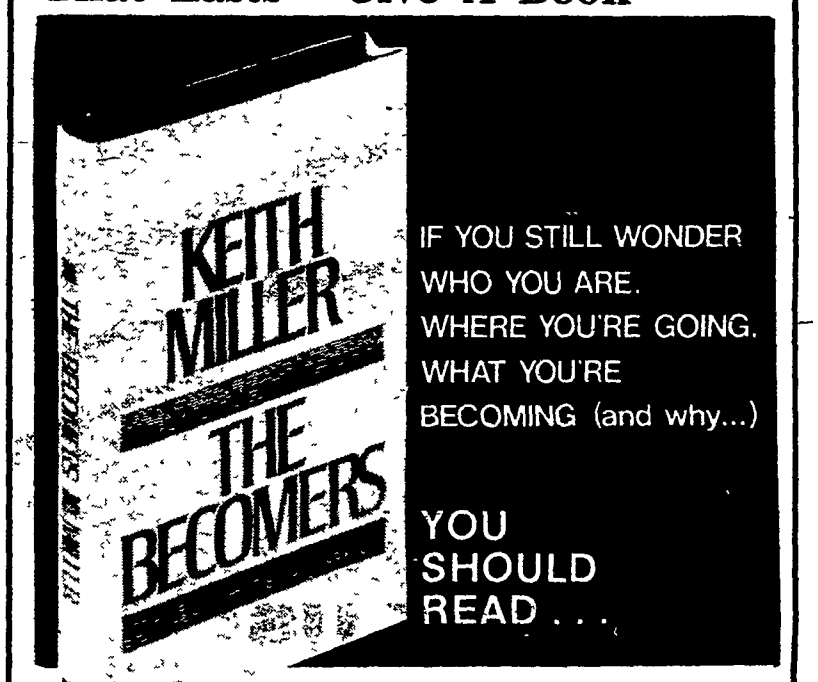

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Make Toys For Very Young Child

Very young children don't need expensive toys. You can make some yourself.

Make a rattle from a small tin box, such as an adhesive bandages box. Put a few pebbles or dried beans inside. Tape or glue the top shut securely and decorate the box. Or, make a rattle by using a plastic salt shaker.

Choose several bright cans or paint cans yourself. Make sure they are of varying sizes so they can fit inside each other. And check to see that there are no rough edges. The young child can stack or roll the cans. You might want to use a set of plastic bowls the same way. Both will teach your child about size and color.

Many household items don't have to be changed at all to make toys for a young child. Kitchen supplies such as measuring spoons, plastic dishware and containers, sponges and pie tins make good toys. Empty milk cartons are good building blocks.

Other things you can add to the toybox are wooden or plastic spools, paper bags for crumpling, cardboard boxes, and wooden spoons for banging. Stuff a sock to make a cuddly toy.

Most items will find their way from hand to mouth. Make sure toys for infants are washable, decorated with non-poisonous paints and free from removable parts that could be swallowed.

Meat Buying Tips

Meat-hungry consumers can follow a few guidelines to keep meat on the table in spite of rising food prices. Careful spending of meat dollars is the key. Compare meat cuts on a cost-per-serving basis, rather than price per pound.

Don't pay extra for minor conveniences. Pre-formed ground beef patties may look like a good idea, but they are expensive. The amount of work needed to make a hamburger patty is negligible. Other examples of conveniences built into items that you pay for, are tenderized or formed steaks, cubed stewing beef, breaded chicken-fried steaks, and precooked cuts. You can do the work yourself and save money.

Carefully compare prices and how well cuts of meat are trimmed in different stores. There are variations, even in small towns. Shop around. Don't always buy your meat in the same store. Watch for specials. Learn to recognize cuts of meat and meat quality. The easiest way to insure consistent quality is to buy USDA Choice Beef. It's either labeled as such, or has a red shield with the word "choice" stamped on the outside of the meat cut.

Learn some of the basic cuts of beef. Several different names may be used for the same cut because of regional preferences. A little study will show you, for example, that a rib-eye is the same and probably costs less than a Delmonico. Similarly, a rib steak and a club steak are basically the same. Sirloin steak is a much more tender cut of meat than round steak.

Take a little time to learn the recommended cooking method for each cut--which cuts should be broiled, braised, roasted, pot-roasted. It will pay in satisfaction. Also, buy on sales. Usually the weekend sales will save you money. When two or more stores are near each other, compare them for specials. Remember--careful buying and planning can stretch your meat dollar.

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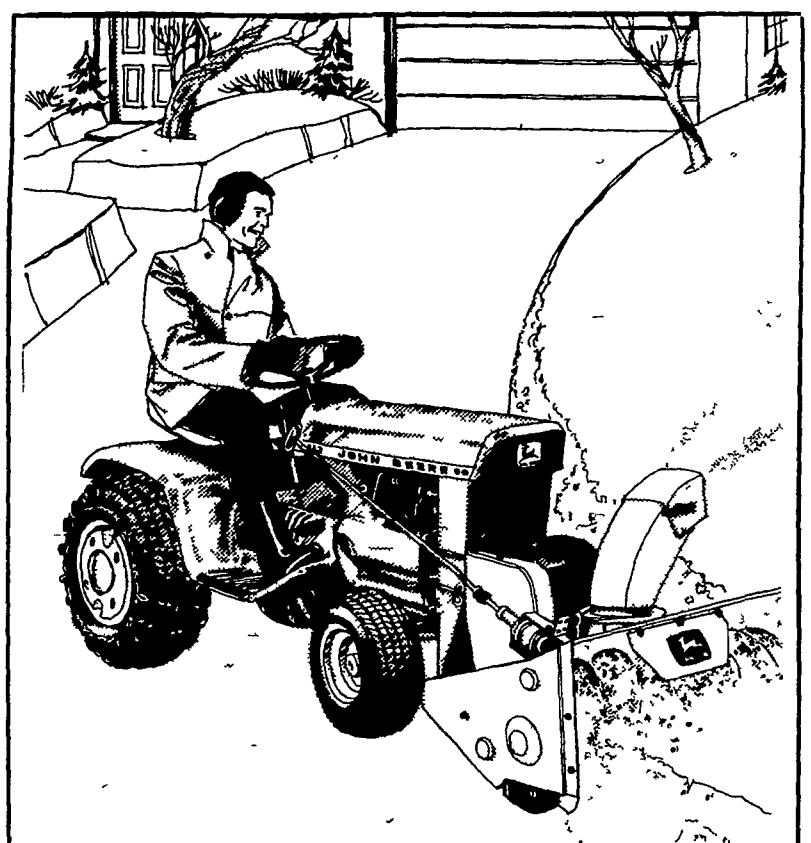

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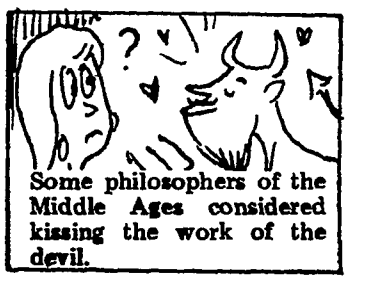
Mennonite Books Donated to HAC

Rev. William Z. Yovanovich, pastor, Steelton Mennonite Church, and Mrs. Lois Erb, representing the Church Council will present a collection of Mennonite literature to Harrisburg Area Community College, Tuesday, November 27 at noon at the McCormick Library on campus.

On behalf of the college, Mrs. Frances Comfort, director of instructional resources at the college, will receive the gift donated by the members of the Steelton Mennonite Church.

The collection will include a full set of Mennonite Encyclopedias, as well as 12 other texts. The texts include the "Complete Writings of Menno Simons," "An Introduction to Mennonite History," "The Mennonite Statement on Peace" and "Mennonites and their Heritage."

Other texts include "Recovery of the Anabaptist Vision," "The Mennonite Church in America," and "Mennonites in the Confederacy."



Some philosophers of the Middle Ages considered kissing the work of the devil.

Recipe Exchange . . .

At Home On The Range

With Thanksgiving over and Christmas on the way, many are planning their holiday parties for the coming month. Included this week are recipes for punch and cookies that you may want to try.

As Christmas approaches, we are looking forward to receiving any recipes you may have for the season. Send your recipes to: "Recipes" Lancaster Farming, Box 266, Lititz, Penna. 17543.

We will be receiving our new supply of pot holders in the near future. For those of you who have sent in recipes but have not yet received a pot holder - we have not forgotten - you will be receiving your pot holder when our supply is replenished.

Sparkling Cranberry Punch

Combine:
1 6 ounce can orange juice concentrate (thawed)
1 6 ounce can lemonade concentrate (thawed)
2 cups water
1½ quarts cranberry juice cocktail

Before serving, add one ring of ice and two seven-ounce bottles of chilled ginger ale. Garnish with orange slices.

Mrs. Isaac Martin
Martinsburg RD1

Cherry Winks

1-3 cup shortening
1 teaspoon grated lemon peel
1 teaspoon vanilla
½ cup sugar
1 well beaten egg
1½ tablespoon milk
1 cup flour
¼ teaspoon salt
¼ teaspoon soda
½ teaspoon baking powder
½ cup chopped raisins
½ cup chopped English walnuts
1½ cups crisp wheat flakes, crushed

Cream shortening, lemon peel, vanilla and sugar. Add egg and milk, beat thoroughly. Add sifted dry ingredients. Stir in raisins and nuts. Drop from teaspoon into crushed wheat flakes. Toss lightly to coat.

Arrange on greased cookie sheet. Top with piece of candied cherry. Bake in hot oven (400 degrees) about 12 minutes. Makes two to three dozen cookies.

Mrs. John Seifert
Elizabethtown

Chilly Day Stew

2 quarts boiling water
1 large carrot, chopped fine
3 onions (or less) chopped
1 quart potatoes, diced
2 tablespoons rice
2 tablespoons macaroni
Salt to taste

Cook slowly till tender. Add piece of butter. Add 1 pint milk or cream in last.

Miss Vera Z. Martin
New Holland RD1

Apple Dumplings

Dough:
2¼ cups flour
¾ teaspoon salt
¾ cup shortening
5 tablespoons water

Over Apples:
½ cup sugar
1½ teaspoons cinnamon

Syrup:
1 cup sugar
2 cups water
4 tablespoons butter
2 tablespoons cinnamon

Pare and core eight apples.

Make dough. Place apple in center of square of dough. Cover with mixture of cinnamon and sugar. Fold up corners. Place in loaf pan.

Cover dumplings with syrup made of cinnamon, sugar, water and butter boiled for two to three minutes. Bake in a 425 degree oven for one hour. Baste often during baking. Serve with milk.

Mrs. Judith McSparran
Peach Bottom RD2

Cranberry Salad

½ pound cranberries
3 apples
1½ cups sugar
½ cup crushed pineapple
¼ cup chopped walnuts
1 package strawberry gelatin
1 cup hot water
1 cup cold water

Wash cranberries. Pare and core apples and grind cranberries and apples through a food grinder. Add sugar, nuts and pineapple.

Dissolve gelatin in hot water. Add cold water. When cool, add salad mixture.

Can be put into a mold.

Mrs. Leon Zimmerman
RD1
Ephrata

Rocks

1 pound raisins
1 pound dates
1 pound English walnuts
2 cups brown sugar
1 cup shortening (butter)
3 eggs
¾ cup hot water with 1 teaspoon soda in
3 cups flour

Cream shortening and sugar, add eggs and beat well, Add cut up dates and raisins, and chopped walnuts with the flour. Add hot water alternately with the flour. Drop on well greased pan and bake at 400 degrees 12 to 15 minutes.

"This is an excellent cookie for Christmas. They are a soft moist cookie."

Mrs. Merle Mishler
Hollsopple RD2

Poultry Salad

3 cups cooked poultry
1½ cups diced celery
1 teaspoon onion
1 cup mayonnaise
1½ cups grated cheese
1½ cups crushed potato chips, if desired
Salt and pepper to season

Combine cooked poultry, celery, onion, seasonings and mayonnaise in mixing bowl and mix together. Put in oblong pan and sprinkle top generously with grated cheese and potato chips. Bake at 375 degrees for 25 minutes. Serve warm or cold and use in sandwiches.

Edna M. Brubaker
Denver Route 1

Peanut Brittle

2 cups light syrup
2 cups granulated sugar
1 cup water

Cook together until soft ball, then add:
4 cups raw peanuts
1-3 cup margarine

Cook until hard crack and add:
4 teaspoons soda.

Stir well and pour quickly on buttered cookie sheets.

Annie Beiler
Quarryville RD3

Punch

2 packages gelatine, dissolve in:
4 cups water, to congeal
6 lemons, juiced
42 ounce can pineapple juice
Make a syrup of three cups water and three cups sugar
2 tablespoons almond extract

Add all together and mix with one gallon of water. Chill and serve.

Lena Beiler
RD3
Quarryville

Carrot Cake

2 cups cooked carrots (mashed)
1½ cups oil
2 cups sugar
1 teaspoon cinnamon
1 teaspoon baking powder
1 teaspoon soda
4 eggs
2 cups flour
½ teaspoon nutmeg
¼ teaspoon salt

Blend carrots, oil, sugar and eggs together. Add remaining ingredients, blend well. Pour into large oblong pan. Bake at 350 degrees for 1 hour. Then make the following frosting when cake is cool:

Frosting

4 oz. cream cheese
¼ lb. margarine
¾ lb. 10X sugar
2 teaspoons vanilla

"When fall is here and I have plenty of carrots in the garden, I cook them, then mash, and can them in pint jars. Then I have carrots for carrot cake all winter."

Mrs. Gideon Beiler
115 Horseshoe Rd.
Leola

Farm Women Calendar

Saturday, December 1

12 Noon - Farm Women Society 10 meeting at Lime Spring Farm, Roherstown, Mrs. Charles Stauffer, Hostess.

1:30 p.m. - Farm Women Society 1 meeting, home of Mrs. Paul Kurtz, Lititz RD4, A gift exchange will be held.

6:30 p.m. - Farm Women Society 6 family Christmas party, Rheems Fire Hall.

Tuesday, December 4

7:00 p.m. Farm Women Society 27 meeting at the home of Mrs. Harold Frey.

Farm Women Society 23 Christmas party at the home of Mrs. Howard Martin, Lancaster RD2.

Wednesday, December 5

7:30 p.m. - Farm Women Society 27 meeting. Verna Frey, Hostess. Lebanon County Farm Women Executive Board meeting, Municipal Building.

Thursday, December 6

Farm Women Society 20 meeting, Jean Ressler's.

Friday, December 7

6:30 p.m. Farm Women Society 9 Christmas party, Refton Fire Hall.

6:30 p.m - Farm Women Society 19 Christmas Banquet, Ramada Inn.

Saturday, December 8

10:30 a.m. - Farm Women Society 2 covered dish dinner, Mastersonville Fire Hall.

2 p.m. - Farm Women Society 7 meeting.

2 p.m. - Farm Women Society 8 entertain husbands at Heisey's Lodge, Rheems. Mrs. Pierre DeVitry, speaker

6:30 p.m - Farm Women Society 19 Christmas banquet, Historic Strasburg

6:30 p.m. - Farm Women Society 25 family Christmas party, covered dish supper at the home of Vera Nauman.

7 p m - Farm Women Society 17 covered dish supper and Christmas program with husbands as guests.

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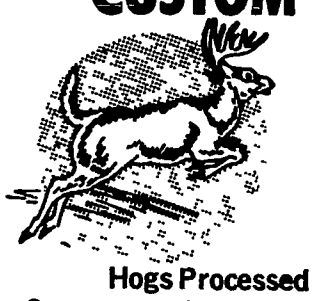

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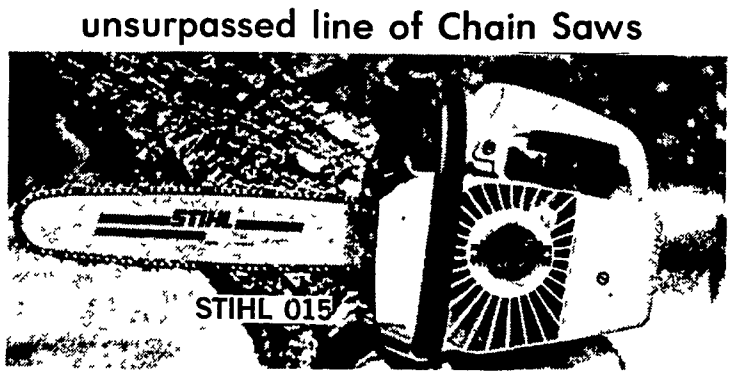

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Farm Women Societies

Society 27

Farm Women Society 27 members and husbands enjoyed an evening of bowling recently. Refreshments were served to the group at the home of Mr. and Mrs. James Brubaker. Mrs. Roy Sauder and Mrs. Bob Kauffman served as co-hostesses.

The next meeting will be held December 4 at 7:00 at the home of Mrs. Harold Frey. Members are asked to bring mittens for children ages four to 15, for the Lancaster County Extension Service Christmas Party.

Society 31

Farm Women Society 31 approved a $50 donation to the Marshall Hess family at its recent meeting at the home of Mrs. Harriet Spayd. It was announced that the society received $10 at the county convention for having the largest percent of its members present.

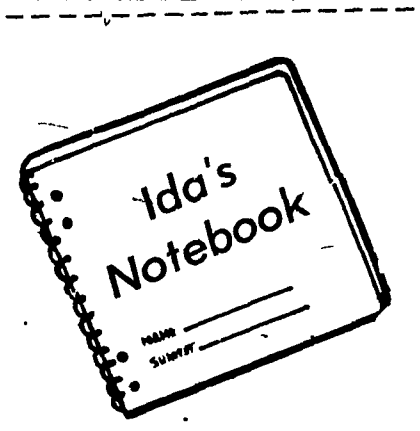
In other business, the annual visit to Conestoga View is December 20 with four members going. The state convention will be held January 7, 8 at Harrisburg.

The Society decided to donate mittens to the County Extension Nutrition Class for their Christmas parties. The mittens are to be taken to the December meeting which will be held at the home of Mrs. Anna Mary Glick on December 17.

The program was a cookie swap with each member taking three dozen cookies and the recipe.

Cool Apples Keep Longer

Store apples in the refrigerator in a plastic bag to keep them from drying out, remind Extension pomologists at The Pennsylvania State University. Then close the bag loosely or punch a few small holes in it so air can circulate. And remember, winter apples such as York, Winesap and Rome are the best keepers. Jonathon, Delicious and Golden Delicious have a shorter storage life.



Ida Risser

December 1st. and only 19 shopping days till Christmas. Oh, I don't like signs like that. This planning far ahead isn't for me, but it seems more and more necessary as time goes by.

I've waited three months for a chair to be upholstered that was promised within one month. Garages make appointments to check cars a week or two in advance. Doctors make appointments a year in advance. Even family get togethers need to be planned months in advance.

Wouldn't it be nice to act on an impluse and buy the pretty dress you see instead of planning whether the color will match your wardrobe? Too, if we could just drop in on a friend or relative instead of phoning ahead to be sure they are prepared for us. Even dashing out a few days before Christmas is more to my liking than having presents in the closet waiting for that special day.

xxx

Somehow, I've acquired the habit of saving things – maybe I inherited the trait. Why, I'll keep scraps of material, string, tiny screws, ribbon, paper and plastic bags, acorns, discarded belts, newspaper clippings, buttons and so forth. Now, this is not just a recent conservation practice. Rather, it's a way of life - something I've always done.

But then comes the pay-off. When Philip's watchband came off, I had a correct size pin to put it on again. When the arm came off Allen's new glasses, I had a screw tiny enough to repair it. When Cindy's handle fell off her bookbag, I found an old one in the attic and fixed it. If a dress, made years ago is ripped, I have material to match it.

Whenever a member of the family needs something, they call on me to produce it or a good substitute. So, when I can hand over a box of the correct size to mail a big or tiny object, it goes to show that the hoarding instinct has many a triumphant moment.

Keep Home Safe for Children

Rule out the "reachables" for young children. According to the Extension safety committee at The Pennsylvania State University, the "reachables" are the available, reachable, handy things that can lead to home accidents. These include medicines left on a table, cleaners and polishes stored under the sink, and pot handles jutting over the edge of the stove. Check your home and workshop and make the reachables "unreachable" before an accident happens.

The name Baton Rouge is French. It means "red stick" or "red pole." The first French explorers found the Indians using such a pole as a boundary marker.

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Christmas Gift Ideas From Penn State

Looking for Christmas gifts for motorists and outdoorsmen? You might consider certain maps and manuals available from The Pennsylvania State University. Among the most popular are "Birds of Pennsylvania," and the Stream Map of the Commonwealth.

"Birds of Pennsylvania" describes the 378 species reported normally in the Commonwealth. A paperback volume, it includes 186 pen-and-ink drawings of the most common species in the State. A calendar of birdlife tells what may be expected in each month. The guidebook lists abundance, seasonal occurrence, habits and status changes, and general breeding and wintering ranges.

"Birds of Pennsylvania" is available for $2.12, tax included, by writing to Birds, Box 6000, University Park, Pa. 16802. Make checks or money orders payable to The Pennsylvania State University.

The Stream Map of Pennsylvania shows over 3,000 each of streams, towns, and elevations above sea level. Locations of swamps, lakes, dams, and reservoirs are shown. Major mountains and valleys are included as are forest fire control towers operated by the Commonwealth.

The map is about three feet high and five feet long. It is available either flat or folded. It costs $1.06, tax included, from Stream Map, Box 6000, University Park, Pa. 16802. Indicate whether you want a flat or folded map. As before, make checks or money orders payable to The Pennsylvania State University.

Somewhat unusual is the Land Resources Map of the Commonwealth, a useful gift for industrialists, community planners, and managers of soil and water resources. This map features 153 soil groups. It integrates soil depth, drainage, available moisture, and productive capacities of soils. High school and college teachers find it helpful in studying earth sciences. This map costs $3.18, tax included, from Land Resources Map, Box 6000, University Park, Pa. 16802. Checks and money orders payable as per the other items.

Clothes That Fit Well

Here's a test for a good fitting garment. Mrs. Ruth Ann Wilson, Extension clothing specialist at The Pennsylvania State University, says that the shoulder seams and side seams are shaped to follow the body contours and are good clues to proper fit. The shoulder seam should follow the highest line of the shoulder. Side seams should appear to fall straight down the sides of a garment. It side seams of the skirt swing to the back or front, the body of the dress doesn't fit properly.

Colonial Americans believed that the yellow juice of the celandine plant was good for jaundice.

Sewing Machine Decide Needs

Before you buy a new sewing machine, Mrs. Ruth Ann Wilson, Extension clothing specialist with The Pennsylvania State University, says you should think about what kind you really need.

There are four main categories: the straight stitch, the basic zigzag, the more versatile zigzag and the most versatile zigzag. According to Mrs. Wilson, most home sewing needs can be filled by the most simple and least expensive machine, the straight stitching machine. Instead of zigzaging, it sews forwards and backwards. With it you can buy attachments to make various stitches, including zigzag, buttonhole, ruffles, overcasting or blind hemming.

But if you buy too many attachments, the cost may be more than if you just bought a machine with a few more built-in stitches. This basic zigzag machine sews a straight stitch, but can also be set to sew a zigzag stitch with the needle swinging from side to side. You can use it for overcasting, blind stitching, darning, satin stitch, making buttonholes and sewing on buttons.

The more versatile zigzag stitch machine can have up to 25 or more stitches. And the most versatile zigzag has even more stitches and ones that are more complicated.

Decide whether you would use special stitches often enough to warrant the added initial cost and the increased amount of service the more complicated machine will probably need, reminds Mrs. Wilson. Straight stitch machines are simpler to use, easier to take care of and less likely to need adjustment.

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Ford Tire Gauge	$4.10	$3.48
Rear Implement Lite	$11.08	$9.42
Ford Tractor Radio	$74.21	$63.08
Hub Caps L-G-T-75	$10.36	$8.87
Hub Caps L-G-T 10V thru 14	$17.48	$16.60
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Livestock Judging Team Competes In Chicago

Pennsylvania's livestock judging team, which consists of four Lancaster County youths, placed 13th last weekend in the national 4-H contest held in Chicago.

Leading the Pennsylvania team was Joe Lefever, 18-year-old son of Mr. and Mrs. Titus Lefever, Manheim RD1, who placed 16th in individual competition.

The Lancaster County 4-H-ers made their best showing in the sheep judging competition where they placed third in the nation.

The local team also placed eighth in oral reasons, 14th in hog judging and 18th in beef cattle judging. The Pennsylvania team scored 1,581 out of possible 1,800 points.

The Illinois team won the national event scoring 1,661 points. Placing second was the Georgia team which scored 1,640 points.

The other members of the state 4-H livestock judging team are Ed Hess, son of Mr. and Mrs. Elvin Hess, Strasburg, RD1; Rick Hess, son of Mr. and Mrs. Richard Hess, Strasburg RD1; and Jeff Greider, son of Mr. and Mrs. Robert Greider, Columbia RD2.

This was the final year of eligible 4-H judging for all of the boys except Joe and Rick Hess.

Just as the methods for getting hay in from the field have changed, so have the other ways of managing hay for optimum profits. With protein feeds selling at premium prices, and with renewed emphasis on hay in ruminant diets, more and more farmers are returning to hay crops both as a source of home-grown feed and as a cash crop.

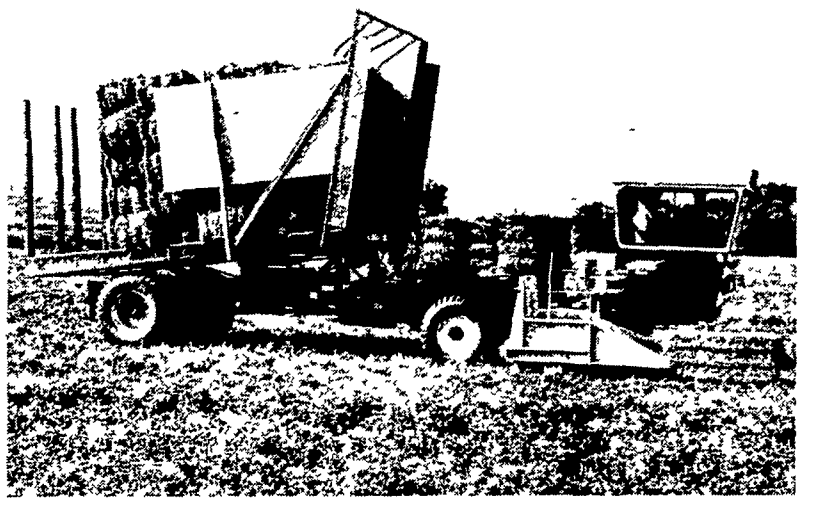
Farmers AgCredit Holds First Meet

On Tuesday, November 20, 1973, the first meeting of "Farmers AgCredit Corporation", a wholly owned subsidiary of Farmers First National Bank, was held at the main office in Lititz.

George M. Lewis, Vice President of Farmers First National Bank, has been elected President of the AgCredit Corporation. Mr. Lewis said the reason for forming the corporation was "to better serve the farm customers in our bank trading area who are continually seeking more and more money for capitalization of their operations. Loans can be granted for any purpose so long as the persons involved are actively engaged in farming."

Other officers include Joel Habegger, Vice President; H. Glenn Nelson, Vice President; William Brubaker, Secretary; Sara Hughlett, Assistant Secretary; J. Stanley Mull, Treasurer.

The Board of Directors of Farmers AgCredit Corporation is comprised of George M. Lewis, Joel Habegger, William Brubaker, Jack S. Watson, Aaron Denlinger, Henry Bomberger, John E. Esh, Ralph Longenecker, Robert Heilbron, and Kenneth Sensenig.



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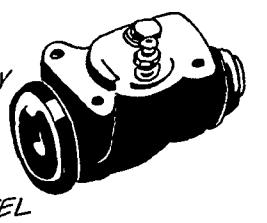

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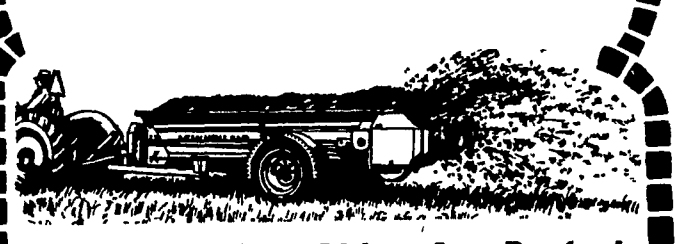

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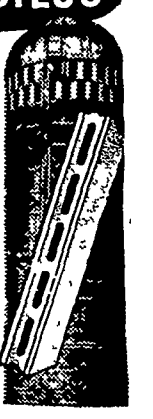

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Three Pluses For Well-Kept Engines

by: Maurice A. Potter
Tractor Service Instructor

Driving your equipment, working around your barn or reading magazines on a chilly night may make you feel remote from global concerns over emissions and other challenges to clean air. This may be understandable if you live far from a major city. But you're only a step away from what should be your personal concern over protecting your engine investment by prolonging its life through preventive maintenance. Periodic preventive maintenance results in cleaner engines; there are many benefits to be had from a clean engine.

There are no pros and cons about engine cleanliness. A 100 hp turbo-charged Allis-Chalmers farm equipment engine, for example, can cost as much as $4,000. If you permit it to run dirty, you not only add your share to the whirling clouds of pollution around us but lop as much as two to three years from anticipated engine life. Using standard depreciation data, you could expect to amortize your engine in five years, costing you an average of $800 a year to own the $4,000 turbo-charged engine. But if you lose the effective service of your engine before the end of the depreciation period, charge yourself an additional $400 a year.

Cost of operation is another story, On the average, a dirty engine consumes more oil and fuel and wears more filters and parts than a clean engine. Add to your annual lost ownership costs an estimated seven to ten percent in unnecessary fuel and oil costs.

In sum, untidiness can cost you as much as $1,350 a year for a 100 hp turbo-charged engine costing $4,000 new in round figures.

What Makes an Engine Dirty?

Because dirt has no place in an engine, manufacturers' recommendations should be closely followed. Years of research by farm equipment manufacturers have been devoted to developing the correct servicing and change intervals for the particular piece of farm machinery you are using.

You can categorize dirty sources as ambient air, water, combustion and such other heat producing phoenomena as birds, animals and insects. Some of these dirt sources can be avoided, or minimized through systematic maintenance. For example:

1. Contributing to environmental pollution are the by-products of incomplete combustion, burining of oil wastes and excess engine blow-by.

2. An unclean engine is a safety threat since it results in engine power loss and added engine exhaust smoke, which in turn threatens the environment

3. Reducing effective engine life are these conditions: insufficient lubrication, dirty lubricating oil and contaminated intake air used for combustion.

Proper Lubrication Comes First

The problem: Nothing will ruin an engine faster than improper lubrication. There's more to this technique than keeping a full crankcase: for example, the grade of oil recommended by the engine manufacturer for specific conditions should be used. The manufacturer knows how various oils will react Lack of oil reduces the heat-dissipating function of the engine. Diluted or dirty oil losses its capacity to perform because dirt, water, unburned fuel or carbon has no lubricating value.

Adding clean oil to dirty oil solves no problems, because the mixture retains a greater viscosity than that required by the engine Thus, friction builds up in the engine.

Heavy duty lubricants include a mineral oil base with additives placed in them to fight off oxidation. All good heavy duty lubricants also have detergent additives in them to hold foreign material in suspension pending removal by drainage. The oil change intervals recommended by engine manufacturers are based on the amount of contamination lubricating oil can carry without damaging internal components.

Even the proper oil will eventually lose its protective capacity. Just as oil will pick up liquids within the engine, it will pick up dirt and metal particles. Various additives such as detergents may hold these particles in suspension, but eventually these contaminants form an oil sludge.

Collected in the feeder lines or in any of the hundreds of small passages that distribute oil, this sludge can cut off the supply causing engine failure. A contaminated oil also loses its ability to keep dirt particles moving and deposits then form on vital engine parts.

The oil filter or oil pump screen will clean out the larger of these particles, but a badly contaminated oil can clog the filters and consequently diminish or shut off the oil supply.

The solution: To protect the engine, you must change the oil before it becomes badly contaminated or seriously diluted. Observe these procedures:

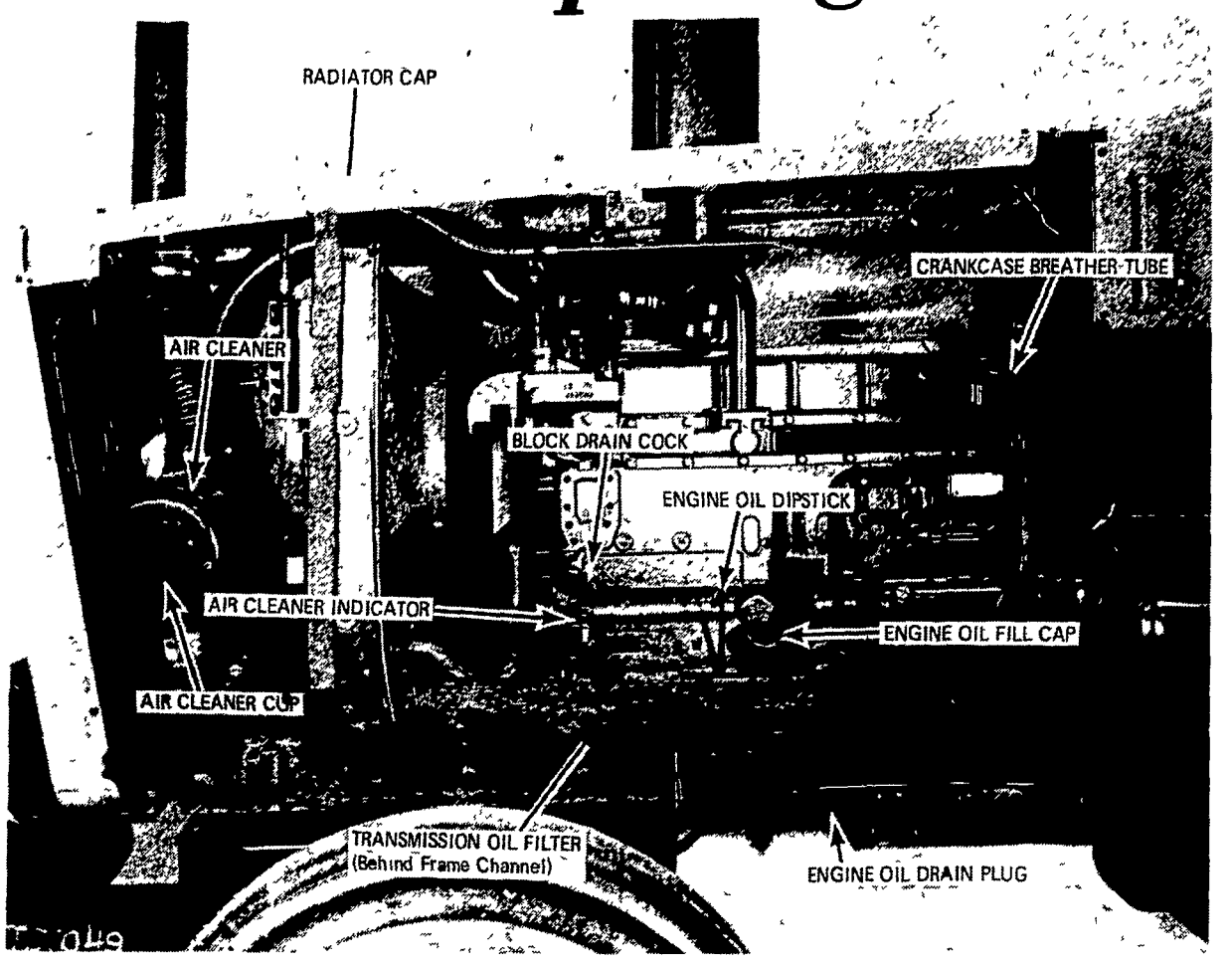
— Use the manufacturer's recommendations for oil viscosity and service classification. A quality detergent oil will alleviate the need for flushing the system before adding fresh oil.

— Warmup the engine before draining the oil. Warm, thin oil will drain more thoroughly and quickly and will carry more contaminants out of the engine.

— After the oil has been completely drained, replace the drain plug being careful not to strip the threads.

— Remove and dispose of the oil filter every time the oil is changed. Running clean oil through a dirty filter is like using a dirty towel to dry yourself after a shower. Use a filter wrench in removing a spin-on type element to prevent ripping the filter body from the head.

— Be sure all funnels and other equipment used in transferring oil are clean and leakproof.



— Fill the crankcase to within one quart of capacity. Then start the engine and let it run briefly, carefully watching the oil pressure gauge or warning light. After several minutes of running, kill the engine and check the oil level (wait a minute or so to be sure all the oil has filtered down from the engine into the reservoir). The process eliminates the possibility of over-filling, which can place undue pressure on gaskets, boost oil consumption and lead to oil foaming.

— Check the drain plug for possible leakage.

Carefully dispose of the old oil. Do not store it in open containers.

By properly maintaining your engine's oil system, engine life can be extended thousands of miles and premature operating difficiencies can be avoided.

Water System:
Key to a Cool Engine

The problem: Because engines applied to farm machinery are larger than ever, demands on the water cooling systems are greater. Your job as an engine user is to be aware of the techniques of cooling system maintenance and to follow them with care.

As you know, minerals form deposits on cylinder walls, radiator tubes and other engine components, thus reducing heat transfer capabilities. The amount of build-up is directly related to the kind of water you use in your system and your program for water system upkeep. The system can deteriorate rapidly and temperature readings will warn you of oncoming trouble. In fact, your engine manufacturer

(Continued On Page 31)

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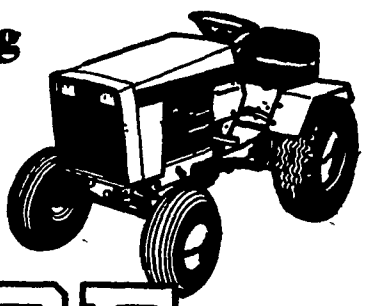

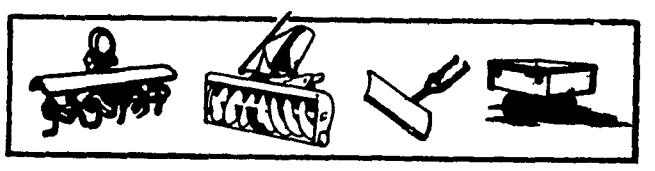

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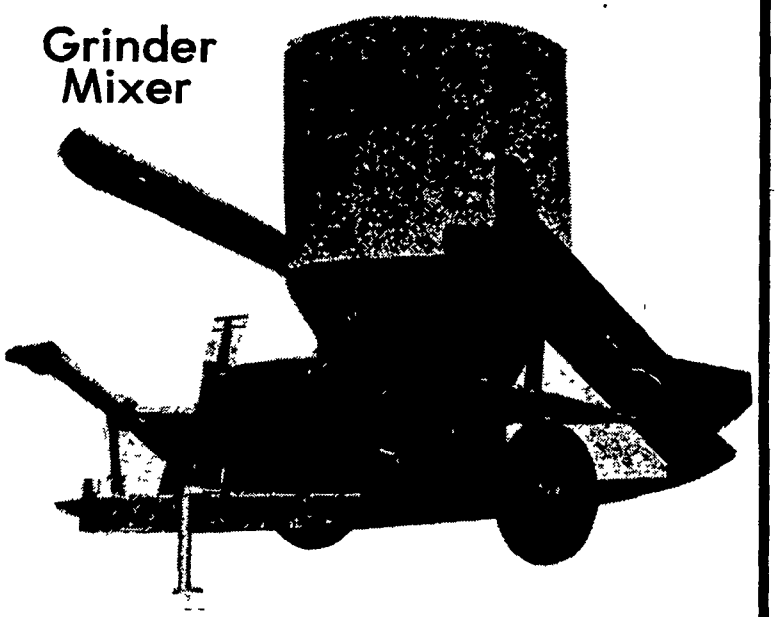

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Well-Kept Engines

(Continued From Page 30)

such as Allis-Chalmers, warns you of what to expect.

Manufacturers agree that engine temperature generally should be between 180 and 200 degrees for best operating effectiveness. However, engine designs vary and each manufacturer recommends a specific temperature.

If an engine is operated at low coolant temperatures, combustion efficiency is lost due to poor burning characteristics of the fuel. Result: some unburned fuel is exhausted out of the stack, a portion clings to the cylinder walls and dilutes the oil film that carries the piston. Pollution is both external and internal.

If an engine is operated at an excessively high temperature, metal components can be softened and thus be subject to rapid wear. The excess temperature causes a breakdown of the oil's lubricating properties to the point that metal - to- metal contact occurs at high speeds.

The solution: Treat your engine as a housekeeper maintains a steam iron. Use water conditioners as recommended by the manufacturer and use cleansed tap water. Always use clean water containers - don't let water stand, thus picking up ambient dirt.

In addition, the use of a cooling system filter will reduce cooling system acidity and help prevent mineral deposit.

The problem: There is a secondary threat to cooling system efficiency: deposits on the radiator. Weeds, seeds, bugs, dust or any of the other encrustations so common on farms build up quickly on radiator fins and must be removed regularly before they bake into a varnish-like or concrete-like coating. Even a day's work in the field can add a layer of unwanted insulation as thick as a match book cover to your radiator, causing engine temperature rises as much as 10 to 15 degrees at 90 degrees of air temperature.

Farms are noted for the amount of paper scraps and leafy matter that can be stirred up. Catching on a radiator, such wind-barring material also cuts down your engine's ability to dissipate heat.

The solution: Here's how to clean your radiator quickly and without harming its structure: use a water hose with close to 40 psi pressure and a soap solution to cut the waxy materials that are deposited. Paper and fiber can simply be brushed off with a fiber brush or stick.

Air System is an Invitation to Dirt

The problem: If you don't believe that a farm is a dirty place, hang a clean white cloth here and there for 24 hours, then shake the material in a quiet room. The outfall will surprise you . . . maybe it won't. But the coarse dust is what you likely are most aware of and even now seek to bar from your sensitive machinery. It's the microscopic, gritty particles that will chop time from your engine life.

Complicating the problem are the turbo-charging devices now so common on engines. Such vast amounts of air being gulped into engines, coupled with greater engine power, means that any invading abrasive materials are whipped through the fine clearances that are intended, by design, to keep your engine delivering all its horses.

Dust indiluted with the air into the cylinders of an internal combustion engine is one of the major causes of short engine life. Once dirt enters the cylinders it finds its way into the piston ring grooves, all oil passages, bearings, and other working parts. It has been said that eight ounces of dirt gradually entering an engine will destroy it.

An engine burns approximately 12 parts of air for every 1 part of fuel. When an engine has consumed approximately 10 gallons of fuel it has consumed enough air to fill two 90-ton silos. To keep a few specks of abrasive matter out of such a system, an engine user must follow operating instructions to the letter.

The solution: regular changing of air filters, therefore, is a must. But how often shall filters be changed when atmospheric conditions worsen due to working location, weather and the like? This can best be detected with the use of a readily available air intake restriction indicator which measures the dirt in the air cleaner element.

What About General Engine Tidiness?

Your tractor sits in a field all winter, or in a dusty shed. It picks up a general coating of grit and grime.

Shall you wipe off the grime and let your housecleaning end there, or is there a better way?

After a winter's storage, the engine should be drained of crankcase oil. A new oil filter and air filter should also be installed. The coolant should be drained, the cooling system flushed, and new coolant added. All fittings should be checked for leaks of oil and water to the outside. In addition, the air intake system should be checked to positively insure that no dirt will enter the engine as it is put into service.

In Conclusion

Air, oil, water aren't the friends of your engine.

Engine makers have done a great deal to give you a good engine. But the control of that engine in the hostile environment of a farm is up to you. Use the manufacturers' operating and service instructions with great precision; then you'll get every dollar out of your engine that you expect and likely quite a bit more.

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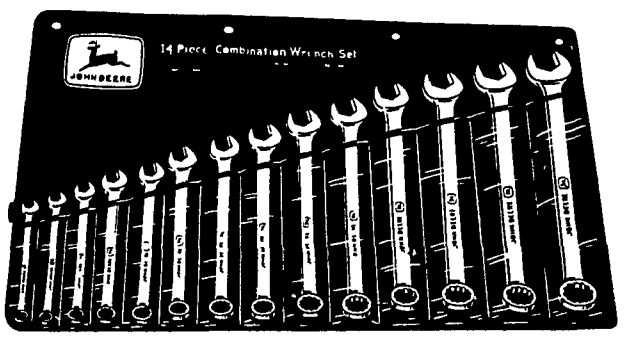

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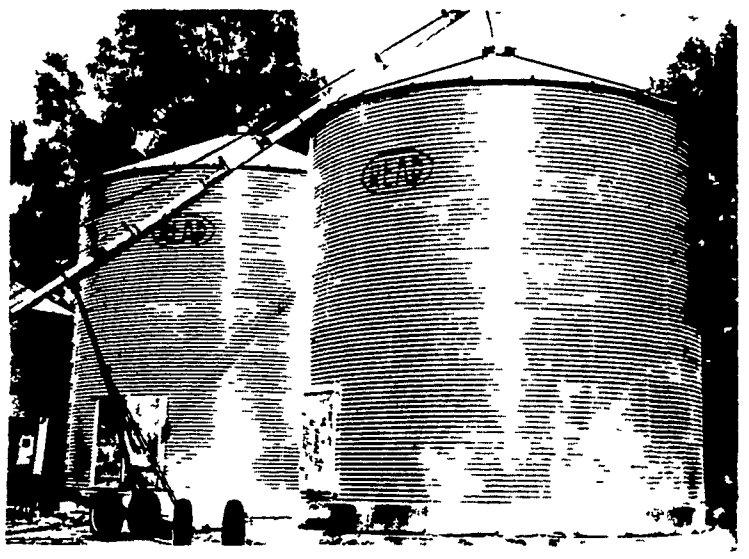

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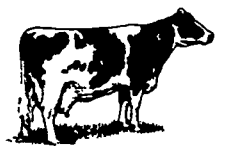

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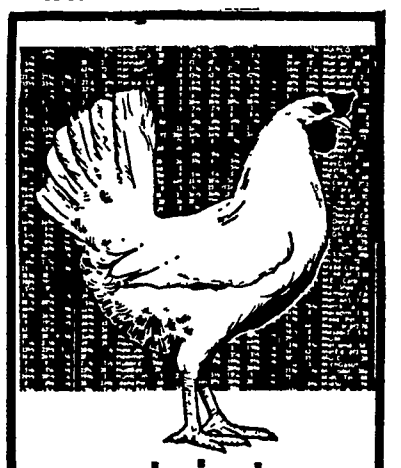

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Surveys Begun of Planting Intentions

The Pennsylvania Crop Reporting Service has announced that surveys of farmers for next year's crop production began Nov. 23 and will continue through Jan. 9.

William J. Fluke, director of the Pennsylvania Crop Reporting Office, said the survey is especially critical this year now that planting restrictions have been relaxed by the United States Department of Agriculture.

"Not since the 1930's when crop and marketing controls were first imposed on U.S. agriculture, will farmers have the freedom to decide on their crop mix and planted acreages. Under the newly enacted 1973 Farm Bill, they can now plant their fields in just about any row crop, grain, or forage combination they choose," said Fluke.

Fluke explained the first tipoff on how farmers are exercising their options will emerge from USDA's upcoming Wheat and Livestock surveys. These will indicate wheat acreage for the 1974 harvest and will offer a first look at livestock and chicken inventories. Based on the inventories, projections can be made on livestock and poultry production during 1974.

Fluke noted that survey operations include obtaining reports from a sample of farmers by mail, telephone and personal interviews. He said that some producers, selected for a special purpose sample, will be interviewed by one of the following enumerators:

John E. Alwine, Middletown; Marion K. Berchtold, Sharon; Carol Ann Borry, Mt. Joy; Hazel Brambley, Breezewood; Lillian M. Briner, Williamsport; Virginia G. Bush, Atglen; John H. Clay, Annville; Robert M. Clymer, Bethlehem, Margery P. Fry, Allenwood; Barbara N. Gilson, Port Royal; Lena M. Kessler, Millersburg; Jean H. Kveragas, Friendsville; Verna Irene Marzka, Cambridge Springs; Jean McChesney, Blairsville; Ruth A. Nace, Glen Rock; James W. Orndorf, Port Matilda; Patricia A. Pratt, Burgettstown; Morris R. Shellenberger, Saegertown; Ralph L. Smith, Newport; Mary M. Strine, Aspers; Elizabeth P. Swank, West Newton; Jim Smith, Berwick.

USDA will begin releasing the survey information in late December, according to Fluke. A winter wheat and rye seedings report will be published by the Crop Reporting Board in Washington, D. C. on December 21. The inventory of hogs and pigs will also be released on that same day. The count of chickens will be published in January and the report of cattle, calves, and sheep will be made about February 1, 1974.

Doctor in the Kitchen®

by Laurence M. Hursh, M.D.
Consultant, National Dairy Council

FOR WHOM THE BELL TOLLS

"For Whom The Bell Tolls" is the title of an editorial that appeared in the July-August issue of Nutrition Today. The magazine is a storehouse of scientific reporting and comment. It is published and edited by Cortez F. Enloe, Jr., M.D., and is circulated to 12,156 professionals interested in nutrition.

Dr. Enloe's editorial is important indeed in that he predicts vast implications for the public resulting from some new thinking being expressed by U.S. Food and Drug Administration officials and a landmark decision handed down by the U.S. Supreme Court last June 18.

The Law's "Intent"

After praising the American Medical Association for stepping up its nutrition education directed to physicians, and observing that FDA now says it will in the future regulate according to its interpretation of the "intent" of the law, rather that what is explicitly permitted by the law (thus taking a tougher line in regulating foods), Dr. Enloe's editorial says in part:

"In a landmark decision handed down on June 18th in the case of Weinberger v. Hynson, Westcott and Dunning, the Supreme Court ruled that the FDA has sweeping authority to take ineffective drugs off the market, impose stringent rules for assessing product effectiveness, deny manufacturers hearings on contested actions, and proceed against groups of similar products rather than proceed with interminable slowness against individual products as was necessary heretofore. The drug industry hasn't had such a jolt since wily 'Old Coonskin' Estes Kefauver rammed his amendment to the FDA Act through Congress during the panic over thalidomide in 1962.

"But the managers in the food industry needn't think that this bell tolls only for the drug manufacturers. They need but substitute 'food' for 'drug' in reading the decision to see clearly the broad meaning of the Court's decision

A Warning For All

"The bell has tolled loud and clear for everyone regulated by the FDA to hear.

"Not to be overlooked is the fact that the Supreme Court . . . decision comes down hard on the side of those who believe that only such drugs as are demonstrably effective should be sold. Since there is a growing concern about the widespread consumption of empty-calorie foods, snack foods, and similar items which are said to be nutritionally ineffective, it seems reasonable to speculate that the FDA has been moved closer to that day when it will measure foods by the same yardstick used now to evaluate drugs. This is not such an outrageous speculation when one considers that, as the evidence linking diet to health and disease increases, the line of demarcation separating drugs and foods is gradually disappearing."

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Pennsylvania's Largest Sales Pavilion
Dairy Cattle Auction Sale 3rd Friday Night Every Month
CHARLES C. MYERS, Owner. Phone 717-569-2106 717-569-6800
Park Myers, Sales Mgr. Private Sales Daily

PUBLIC SALE
OF FARM MACHINERY
Location—1 mile South of 896 or Nobel Road. Between Bartville and Nine Points.
THURSDAY, DEC. 6, 1973
12 Noon
John Deere 2020 diesel tractor full eq. (3 yr.), John Deere 420 gas tractor, John Deere F125 3 bottom 16 in. plow, JD 246 cornplanter with fert., JD #9 mower 7 ft. 3 pt., Ontario 13 disc grain drill, MC rotary scythe, New Idea wheel rake, Massey Ferguson 2 row cultivator 3 pt., Massey Ferguson #3 baler, 3 rubber tired wagons, New Idea 206 manure spreader.
App. 25 tons Hay, 20 ton straw
App. 15 ton Corn fodder, 200 bu. Spelts
7 ton old ear corn
22 ft. double tobacco ladders & lath, press, cutters, clover seed sower, tractor chains, scraper, air compressor, platform scales.
SP 11 Surge milker pump, 2 milkers, milk cans, 2 feed carts, Stewart clippers (new type), brooder stove, forks, chains, shovels, other articles not mentioned.
TERMS BY,
William A. & Marian I. Wilson
Kreider & Diller, Aucts.
Lunch furnished

PUBLIC AUCTION
OF 42-ACRE FARM
SATURDAY, DECEMBER 15, 1973
AT 2:00 P.M.
Location: Between Lititz and Rothsville along Newport Road. Take Old Route 222 North from Lancaster or Old Route 222 South from Ephrata to Brownstown. At Brownstown take Route 772 west through Rothsville to Newport Road:
42-ACRE FARM
Limestone Soil — Zoned Rural
APPROXIMATELY 2600 FEET ROAD FRONTAGE
APPROXIMATELY 1500 FEET RAILROAD FRONTAGE
THEREON ERECTED A
2½-STORY LARGE BRICK HOME
Home is presently set up as a Double Home with Kitchen, Living Room each side on First Floor and 2 Bedrooms and Bath each side on Second Floor. Third Floor Attic Storage. Full Basement. This Home has one modern kitchen, one modern bath; also an open Stairway and could easily be changed back to a single dwelling. Oil Hot Water Baseboard Heat. There are three wells on the property.
Large Brick and Frame Bank Barn
WITH CEMENTED BARNYARD — BUNK FEEDER
10x50 CONCRETE SILO WITH UNLOADER
32x140 SELF-FEEDING BLOCK TRENCH SILO
2-CAR GARAGE — CORN CRIB
IMPLEMENT SHED ATTACHED TO BARN
Scaffolding in Barn
Broker participation invited. Clients MUST be registered with Auctioneers 24 Hours before Sale Time.
Sale time, 2:00 P.M. Terms by
HARLAND W. and MARY ETTA WEAVER
630 Newport Road, Lititz, Pa. — 717-626-5546
John E. and Paul E. Martin, Auctioneers
717-733-3511 - 733-3305 — Route 322, R.D.1, Ephrata, Penna.
John Gibbel, Attorney
NOTE: This Farm is located only 7 miles north of Lancaster and on the northeast side of Lititz. Inspection of home Saturday, December 8, 1973 from 12:00 Noon to 3:00 P.M. Inspection of rest of farm anytime.

Hard of Hearing Get Own TV News Show

For perhaps the first time, those who are deaf or hard-of-hearing will have a useful national network news service of their own when WITF-TV, Channel 33, begins broadcasting a special captioned (subtitled) edition of the "ABC Evening News"each weeknight at 11:00 P.M., starting December 3.

This unusual project has been undertaken in the South Central Pennsylvania area in cooperation with WTPA-TV, the ABC affiliate in Harrisburg. It is being coordinated and distributed by the Eastern Educational Television Network in cooperation with ABC News and is being produced by WGBH-TV in Boston through a grant from the Bureau of Education for the Handicapped, U.S. Office of Education. The nightly programs will be replays of the early evening newscasts featuring Harry Reasoner and Howard K. Smith, with computer-generated word captions added. Commercial breaks will be replaced with weather, sports, and features of special interest to the hearing-impaired, as well as with news up-dates when appropriate.

WTPA General Manager Paul Abbott, in granting permission for WITF to carry the programs, commented: "We believe that 'The Captioned ABC Evening News' represents a significant community service, and we're pleased to lend our endorsement to the telecasts on WITF. Both our stations have been active in the production of programs that speak to community concerns, so this joint effort on behalf of the hearing-impaired within our coverage area is a particularly happy relationship."

Robert F. Larson WITF General Manager, has expressed WITF's gratitude to ABC and WTPA for their cooperation, indicating that "the unique service made possible by a combination of broadcasting resources underlines the ability of electronic communications to meet specific audience needs."

The captioning process is not always verbatim. It takes into consideration the need to adjust the vocabulary to allow for maximum comprehension by the average deaf adult and to modify the speed of the reporting to a comfortable rate.

Research and experimentation have shown that there are thousands of words – idoms and figures of speech – which are a part of normal conversation but which have no meaning, or a different meaning, for those without the benefit of auditory cues, such as vocal inflection. In addition, experts on deafness have determined that the average deaf person has a slower-than-normal reading rate, not exceeding 140 words per minute, thus making it necessary to edit the "ABC Evening News" transcripts down from their average of 165 words per minute to a comfortable 120 wpm. This rate also recognizes that there is more to be seen in the picture than just the caption.

In the preparation of the captioned text, then, language level and reading speed are the only reasons for changes in the script. Editing is done by a professional staff trained in broadcast news and journalism, as well as in the teaching of the deaf. Careful attention is given to maintaining the meaning and intent of the original story. In the case of Presidential speeches, personal commentary, and other such carefully-worded statements, very little editing, if any, takes place.

"The Captioned ABC Evening News" is funded until December of 1974.

A. B. Strickler Promoted by Poultry Firm

Alfred B. Strickler, 48 Heritage Rd., Akron, has been named Sales Service Supervisor in the sales division at Victor F. Weaver, Inc., New Holland, Pa.

Strickler joined the Weaver organization earlier this year as regional sales supervisor after extensive experience in the wholesale grocery business in the Philadelphia and New Jersey area. A graduate of Pennsylvania State University, he holds a bachelor's degree in hotel administration.

In his new post, Strickler will be responsible for the supervision and co-ordination of internal sales activities of Weaver's prepared foods.

SPECIAL SALE OF
SHEEP
450 STOCK EWES,
8 BUCKS,
100 LAMBS
LOCATION: Rudnick's Barns Route 213, Galena, Md.

SAT. DEC. 8
at 12:00 NOON
Entire flock consigned by Rose Hill Farm Sale at Galena, Md.

HARRY RUDNICK
& SONS, INC.
Sales Mgrs. &
Auctioneers
Galena, Md.
301-648-5100

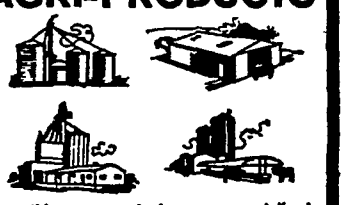
COW SALE
Having purchased the dairy of Harold Hunsinger, Dushore, Pa., I will sell at my barn, located 2 miles South of Troy, Pa., Bradford County, on Route 14, on

THURSDAY AFTERNOON DECEMBER 6th
AT 1:00 P.M. EST

62 HEAD CATTLE 62
This dairy consists of all Holsteins with the exception of 2 Guernseys. They have good size and condition. There will be about 25 just fresh and balance due from now until January. A few due in February and March. There will be 8 or 9 Purebred Holsteins. These cows have a lot of milk and are ready to go to work for you.
BLOOD & TB TESTED
CHARTS DAY OF SALE
TERMS: CASH OR GOOD CHECK SALE DAY

BOB SLINGERLAND, Owner
Tele. 297-3777
GEORGE SCOTT, Auctioneer
CHAS. AYRES, Clerk
D. WILLIAMS, Cashier
You are welcome to come and see these cows any time.

TRY A CLASSIFIED AD!

BUTLER AGRI-PRODUCTS

Everything you need—from one specialized source. Planning assistance, fast construction, single-source responsibility, efficient service.
BUTLER AGRI-BUILDER
M.K. HOKE ESTATES
140 So. Main St
Manheim, Pa.
665-2266

ATTENTION CHINCHILLA BREEDERS
PUBLIC SALE
YOUR OPPORTUNITY TO ACQUIRE TOP WINNING SHOW STOCK
SATURDAY, DEC. 8, 10:00 A.M.

Polly O'Rosky owner. 7336 Jonestown Road. 10 miles east of Harrisburg, Penna. KNOWN AS RAINY DAY CHINCHILLA RANCH.

OVER 20 YEARS IN BUSINESS. LIFE TIME MEMBER EMPRESS CHINCHILLA BREEDERS COOPERATIVE NO. 3874. FIRST SALE OF THIS KIND EVER HELD IN CENTRAL PENNSYLVANIA.

Chinchillas and Equipment; approximately 100 animals, young breeding age, mutations and carriers in exotic colors. WHITE, SILVER, SAPPHIRE, BEIGE, BLACK AND CHARCOAL.

Electric pelt cleaner; electrocution outfit; pelt drum; pelt boards and frames; 2 grading lights; electric head gear; 2 new Jensen electric pet tattoo pens; 2 western clamp tattoo outfits; grading cages with roll around cart; approximately 180 custom made polygamous cages; approximately 200 priming cages; all in excellent condition. A lot of other miscellaneous equipment, etc.

Bring own carrying cages for immediate pick-up.
Terms cash or certified checks. Sale rain or shine

Col. L.M.F. Hocker & Harnsberger, Auctioneers.

PUBLIC AUCTION
NEW & USED LAWN MOWER PARTS
Lawn Mowers - Engines - Repair Tools
SATURDAY, DECEMBER 8, 1973
AT 10:00 A.M.
Location: 1982 West Main Street, Ephrata, Pa. 2 miles West of Ephrata on Route 322.

NEW ITEMS
TWO NEW KOHLER 18-H.P. SNOWMOBILE ENGINES; 3.8 KW PINCOR Generator; Four 7-H.P. Briggs and Stratton Engines; Fifteen 3½-H.P. Briggs and Stratton Engines; Three 3½-H.P. Tecumseh Engines; Four 4-H.P. Tecumseh Engines; Three 8-H.P. Briggs and Stratton Engines; One 5-H.P. Briggs and Stratton Engine; One 10-H.P. Kohler Engine; One 7-H.P. Tecumseh Engine. Some of these engines have rewind start, some electric start, some are power driven. Torque Converter; 12 Assorted Lawn Mower Transmission Drives; Lawn Mower Decks; Sezt Covers; V-Belts; Lot of Different Size Tires and Wheels; Automatic Electric Hydraulic Brake Control; Mini-Mite Bicycle; Pour-in-type Water Heater.

MARQUETTE MODEL 161 WELDER
Lapping Machines for Sharpening Reel Type Mowers; Drill and Drill Press; Small Shop Jack; Ignition and Carburetor Service Kit; Assorted Bolt and Nut Kit; Valve Grinding Tools with Turning and Dressing Attachments; Belt and Disc Sander; Battery Tester; Bench Grinder; Groler and Armature Tester; Vises; 7-Inch 2-speed Sander Polisher; Crank Shaft Tool; 7-Inch Circular Saw; Hout Tool Chest; Snap-on Rollaway Tool Chest; Precision Polit Bearing Reamer; Black & Decker Jig Saw; Solder Gun; Sets of Drill Bits; Torque Wrench; Regulator and Generator Tester; Magneto and Coil Tester; Rollaway Garage Jack; Tap and Die Set; ¾-Inch Drive Socket Set; S-K ¼-Inch Drive Socket Set; Metric Socket Set; Other Socket Sets; Carpenter Tools and Tool Chest; Chairs; Lisle Piston Knurler; Filing Cabinet; Cash Register; Box and Open End Wrenches; Combination Wrenches; Inside and Outside Calibers; Micrometer; Sleeve Puller; Piston Hone; Cylinder Hone; Ring Compressors; Torches; Tubing Cutter; Hammers and Lots of other Tools; Cylinder Reamer; Mower Blades and Gaskets; Spark Plugs; Pipe Threader Pipe Vise; Air Compressor; Chain Hoist; Wire; Steel Posts.

1962 Chevrolet Station Wagon
Converted to Truck, has all good tires; FERGUSON 30 with Super Kit and step up and down trans.; New Idea Wagon Type Spreader; Chev. 283 cu. in. Engine; 8N Ford Foot Throttles; Used Vacuum Pumps; Aluminum Paint; No. 90 and No. 80 Oil; Fly Spray; Belting; 12 and 14-Inch Plow Shears; Egg Grader; Nails; Electrical Wiring and other Electrical Supplies; Some Dairy Supplies; 3-Point 2-Bottom 12-Inch Plow; Roll Scoop.

BOLENS GARDEN TRACTOR
With Attachments; 22-Inch Chain Saw; Iron Horse Steam Cleaner; Grain Blower; Lot of Used Reconditioned Mowers; Riding, Self-propelled, Push Type; Lot of Different H.P. Used Reconditioned Engines; Rebuilt Generators; Bronco Minibike; Oliver 66 Front Wheel Weights; Ram Pump; Star Water Bowl Repair Kit; Fence Chargers; Lawn Mower Gas Tanks; Philco Stereo; Lots and Lots of New and Used Mower Parts; Steel Shelving; Storage Shelves; Wooden Desk with High Top; Wooden Swivel Chair; Electric Heater; Paint Sprayer; 3 Gas Heaters; 1972 INTERNATIONAL 1700 LOADSTAR V-8, 392, 5-Speed with 2-Speel Axle; many other items too numerous to mention.

Sale time, 10:00 A.M. Sale by
MAZIE M. ZUCK
and CARL W. ZUCK
Executors of the Norman E. Zuck Estate
John E. and Paul E. Martin, Auctioneers
717-733-3511 — 733-3305
Lunch Available

Public Sales Register

SAT. DEC. 1 - 10:30 A.M. Public Sale of Farm Equip. and Household Goods located ½ mile north of Wernersville, turn off Rt. 422 at Balthauser Case, then west onto Heffner Rd., Berks Co., Pa. Sale by Joseph L. Heck; Alvin Horning Jr. and Ralph W. Zettlemoyer, Auctioneers.

SAT. DEC. 1 - 11 A.M. Public Auction Plumbing-Heating Equip. located at Rudnick's Barns, Route 213, Galena, Md. Harry Rudnick & Sons, Inc., Sales Mgrs. and Auctioneers, Galena, Md.

SAT. DEC. 1 - 9:30 A.M. Public Auction of Farm Equipment, Antiques, Household Goods, Ceramics located between Ephrata and Lancaster along old Route 222 at Oregon, take Route 722 west ½ mile then first road right after crossing bridge, then 1 mile on the right, Lancaster County, Pa. the following to wit: Sale by Edwin S. & Anna Mae Stauffer, Leola RD1, Pa.; John E. and Paul E. Martin, Auctioneers.

SAT. DEC. 1 - Public Sale of 600 head Crossbred feeder pigs, located at farms north of Goodville, Pa., East Earl Twp., off of Route 23. Terms by John J. and Paul M. Zeiset; Elton Horning, auctioneer.

WED. DEC. 5 - 2 P.M. Public sale of valuable Real Estate in Salisbury Twp., Lancaster Co., Pa. on Mast Road 2 miles south of Rt. 322 and 2 miles west of Cambridge. 63 acre farm more or less with 2½ story frame dwelling. Barn was burned down. Financing available by prior arrangements. Sale by Sarah E. Mast; Robert E. Martin and Frank L. Steller, Auctioneers.

WED. & THURS. DEC. 5-6 - 6:30 P.M. Two Day Public Sale of Deller's Five and Dime located at 148 E. Main St., New Holland, Pa., Lancaster County. All large items and shelves will be sold Dec. 5. Robert E. Martin and Frank L. Steller, Auctioneers.

THURS. DEC. 6 - 1 P.M. Cow Sale, 62 head, dairy of Harold Hunsinger, Dushore, Pa. will be sold at the barn of Bob Slingerland, located 2 miles South of Troy, Pa. Bradford County, on Route 14. George Scott, Auctioneer.

FRI. DEC. 7 - 7:30 P.M. Special Sale of Charolais, Angus and Hereford calves and yearling steers and heifers at Leesburg Livestock Market, Leesburg, Va.

SAT. DEC. 8 - 12 Noon Special Sale of Sheep, located at Rudnick's Barns, Route 213, Galena, Md. Entire flock consigned by Rose Hill Farm; Harry Rudnick & Sons, Inc., Sales Mgrs. and Auctioneers, Galena, Md.

SAT. DEC. 8 - 10 A.M. Public Auction New & Used Lawn Mower Parts, Lawn Mowers, Engines, Repair Tools located at 1982 West Main Street, Ephrata, Pa. 2 miles West of Ephrata on Route 322. Mazie M. Zuck and Carl W. Zuck, executors of the Norman E. Zuck Estate; John E. and Paul E. Martin, Auctioneers.

MON. DEC. 10 - 2 P.M. Special Sale Feeder Cattle, Calves, and Stock Cows at Blue Ridge Livestock Sales, Inc., Charlestown, W. Va.

SAT. DEC. 15 - 2 P.M. Public Sale of 42 acre farm located between Lititz and Rothsville on Newport Road. Terms by Harland W. and Mary Etta Weaver. John E. and Paul E. Martin, Auctioneers.

SAT. DEC. 15 - 12 P.M. Public Sale 60 Head of Grade Holstein Dairy Cattle located on the premises at RD5 Lebanon, West Cornwall Twp., Lebanon County. Proceed West of Route 72 along Route 322 to Spangler Road turning North and go to 3rd farm, or South from Lebanon on Colebrook Road to Spangler Road and turn South and to 1st farm. This farm is approximately 1 mile west of Quentin. Conditions by Paul H. Smith; Harry H. Backman, Auctioneer.

FRI. DEC. 21 - 8 P.M. Public Sale of Dairy Cattle at the Black and White Holstein Farm, Lancaster, Pa. across from the Comet Drive-in Theatre or ¼ mile west of breeding unit. Charles C. Myers, owner; Abe Diffenbach, Auctioneer; Park Myers, Sales Manager

SAT. DEC. 22 - 9:30 A.M. All Day Consignment Sale located on North Maple Avenue, Leola, ½ mile North of Route 23, watch for sale sign. Sale by David H. Good; Frank and Paul Snyder and Robert E. Martin, Auctioneers.

SAT. DEC. 29 - Public Sale of Dairy Cattle and Farm Equipment located at Manheim RD3, North of Elm, Pa. by Alvin H. Martin; John E. and Paul E. Martin, Auctioneers.

WED. JAN. 2 - 12 Noon Horse and Mule Sale, 60 head of horses and mules from Ky. Load of driving horses and local horses. Sale by Paul Z. Martin, located 2 miles East of Intercourse, Pa. along Route 340.

WED. JAN. 23 - Paul Z. Martin's Farm Equipment Sale located 2 miles East of Intercourse, Pa. along Route 340

WED. FEB. 20 - Paul Z. Martin's Farm Equipment Sale located 2 miles East of Intercourse, Pa. along Route 340.

WED. MARCH 20 - Paul Z. Martin's Farm Equipment Sale located 2 miles East of Intercourse, Pa. along Route 340.

Tobacco Marketing Meet Set Dec. 5

Attendance climber above 45 at each of the first two in a series of tobacco meetings held in the Hinkletown Elementary School in conjunction with the Eastern Lancaster County Adult Farmer Program. The third meeting will be held at 7:30 on Wednesday evening, December 5, at the same location with representatives of the major tobacco companies of Lancaster County discussing such topics as foreign competition, grading and handling tobacco for quality, the pricing of tobacco, and the demand for Type 41 tobacco in the future.

All interested area farmers and agri-businessmen are invited to attend these meetings. Following the presentation, a question and answer period will be held so that areas of special interest and concern can be discussed.

Following the tobacco series, on Wednesday evening, December 12, a meeting will be held on the "Buying and Selling Beef Cattle – What Direction Will It Go?" The discussion will be led by a panel consisting of William McCoy of the Lancaster Stock Yards, Abe Diffenbach of the New Holland Sales Stables, and Kenneth Hershey of Vintage Sales Stables. Topics to be covered include: The Future of the Cattle Feeding Business in Lancaster County, Cattle Supply and Demand, Prices Ahead for Beef Cattle Feeders, and What's New In The Cattle Feeding Business. This meeting will be held in the Hinkletown Elementary School just off of Route 322 near Martindale.

About Kitchen Knives

The number of knives you need in your kitchen is determined by your own needs, according to Extension home management specialists at The Pennsylvania State University. A good paring knife, with a straight cutting edge and a sharp point, a utility knife and a large knife, such as a butcher knife are basic in almost all kitchens. But you may find a French or chef's knife useful for dicing, mincing and shredding foods.

LLOYD H. KREIDER
AUCTIONEER
and
SALES MANAGER
330 West State St.
Box 2 RD1
Quarryville, Pa. 17566
Ph: 786-3394

Guides For Purchasing Light Bulbs

The right light bulb in the right place helps fight pollution and also helps our energy problem, remind Extension consumer specialists at The Pennsylvania State University. They suggest you be familiar with lumens, watts and hour ratings.

The lumen measures how much light to expect. The watt measures the power used by the bulb. The hour rating tells the average life of the bulb. These ratings are printed on each package of bulbs you buy.

A 100-watt bulb with a high lumen rating will burn brighter than a 100-watt bulb with a lower rating. But it won't burn as long.

Use the higher rated bulbs for the kitchen and for reading. But in the areas where you don't need as much light, the Extension specialists suggest you save your money and use lower lumen bulbs. A 60-watt bulb burns for 17 hours for the same money it takes to light a 100-watt bulb for 10 hours.

H. D. MATZ
CHRISTMAS SALE
FREE Meals for all
10 A.M. to 1 P.M.
at New Holland Sales Stables, Inc.
New Holland, Pa.
WEDNESDAY, DEC. 5, 1973

50 HEAD PUREBRED & GRADE CANADIAN COWS

Sired by the top bulls in Canada including 3 Lassie Leader Daughters, 2 Seiling Rockmans.

This is an outstanding group of cows. 3 top Purebred bulls.

Don't miss this sale. Cows sent on order. All animals quaranteed.

H. D. MATZ
owner

Henry Kettering, Pedigrees

Merry Christmas and Prosperous New Year

PUBLIC SALE
SATURDAY, DECEMBER 15, 1973
12:00 P.M.

Located on the premises at RD5 Lebanon, W. Cornwall Twp. Lebanon County. Proceed West of route 72 along route 322 to Spangler Road turning north and go to 3rd farm, or South from Lebanon on Colebrook Road to Spangler Road and turn South and to 1st farm. This farm is appx. 1 mile west of Quentin.

60 Head of Grade Holstein Dairy Cattle
2 Mixed Breed Cows

This herd presently consists of 45 milk cows, 13 bred heifers which were bred in Oct. and Nov., 1 yearling calf, and calves born from Sept. to sale time.

12 cows fresh since Sept., 8 due in Nov. and Dec., and a number due Jan. and Feb. and throughout the year. This herd consists of Curtiss Candy breeding and if need of milk plan to attend this sale.

Sale to be held in tent pregnancy checked health charts

600 gal Milkeeper tank with compressor, double S.S. tub, strainer and bucket, 1½" glass pipeline with washer and two vacuum pumps, Top-Line transfer system, 4 Boumatic pipeline milkers, 5 Surge pail units, 20 milkcans, Stewart cow clippers, and other dairy related items

1955 F500 Ford U Tag cattle truck

50 ton mixed hay 5 ton straw 10 ton corn

Appx. 150 Tons Corn Silage

This herd is being offered for sale due to owner's health Order of Sale. Hay, straw, corn, silage, dairy equip, and cattle

Conditions by:
PAUL H. SMITH

Harry H. Bachman - Auctioneer
Arthur Kunkle - Announcements
Lunch by the Rocherty Church

THE NEW OWNERSHIP OF
LANCASTER STOCKYARDS INC.
WILL CONTINUE THE POLICY OF A
STOCKER AND FEEDER AUCTION SALE
NEXT SALE DECEMBER 14, 1973
New Starting Time 12:00 Noon
All Grades, Breeds, Weights Load Lots — Small Lots
Lancaster Stockyards, Inc.
LANCASTER, PA. PH. 717-394-2611

MEMBER DEALERS

WALTER M. DUNLAP & SONS
J. M. HOOBER & SON
LOUIS LYONS & SON
JOHNSON CATTLE CO.
MERTON W. McCOY
WM. W. McCOY
T. G. KREIDER
EDW. L BROWN
S. L. HEILBRON & SONS

FARM TRACTORS

J. D. TRACTORS

2520 D
(4) 4020 D
(3) 3020 D
4010 D
(2) 3010 G & D
(3) 2510 G & D
(4) 2020 D
(4) 730 D
(2) 720 D
1010 G
630 G
620 G
420 G
M
(2) A
B
300 D
5020 D

MISC TRACTORS

D. B. 1200
M M Jet Star 3 w-loader
M M U B
Nuffield 10-42

MASSEY FERGUSON TRACTORS

1130 D
1100 D
(2) 180 D
175 D
(2) 165 G & D
65 D
35 G
2200 w-loader

TRACTORS COMING

Case 930 D
Farmall 1206 D
Oliver 1800 D
Farmall H
Farmall Super A w-Cult.
J.D. 630
J.D. 2510 D
A.C. D19 G
Int 574 D
Farmall 460 D
(2) Oliver 1655 D

CASE TRACTORS

1170 D
(2) 1030 D
(2) 930 D
770 D
730 D
430 D
680 D w-loader

OLIVER TRACTORS

2150 D
(2) 1855 D
1950 T D
1950 GM D
1850 D
1750 D
1800 D
77 G w-loader

FORD TRACTORS

(2) 5000 D
(2) 4000 G & D
3000 G
860 G
Jubilee

A. C. TRACTORS

190 X T D
180 G
160 D
(3) D17 G & D
D15
D19 D

FARMALL TRACTORS

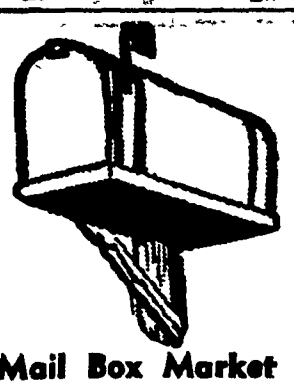
826 D
1206 D
4100 D
1066 D w-duals
856 D
(4) 656 G & D
756 D
806 D
706 D
544 D
444 G w-loader
504 G
404 G
650 D
(2) 450 G & D
Cub 154 lowboy w-mower
340 G
Super M
(4) M
H
BN w-snow plow
C

MYERSTOWN,
PENNSYLVANIA 17067
25 Miles East of Harrisburg
½ Mile from
Lebanon Valley Airport

wenger's
FARM & INDUSTRIAL EQUIPMENT

TELEPHONE
(717) 866-2138

"Home of Quality"



Mail Box Market

For Sale - Leyland 384 with Turbo, good cond. $4200.; 2 10-20 McCormicks 1 on steel, 1 on rubber, both for $325. delivered, in running condition. Phone 534-1253

For Sale - Set steel wheels for Ford Tractor (factory made). Wanted - Pully assembly for Fordson Major Tractor. Amos L. Nissley, Dover, Del. RD2, 19901

Mail Box Market

For sale - Holstein Heifer, milking. Phone 717-529-2432

For Sale - Two (2) large pot belly stoves, $75. and $100., like new. S. G. Darlington, Speedwell Farm, Phone 626-7440

For Sale - 4 elevated calf stalls, metal with wooden sides, make offer; Wanted - Solid chicken manure anytime between now and Spring. Sam Beiler, 200 Maple Ave., Bird-in-Hand, Pa.

For Sale - AKC Registered German Shepherd Puppies, black and brown, would make nice Christmas Gifts. Phone 665-2031

For Sale - Approximately 200 left over 10 inch cement blocks. Edward F. Smucker, RD2, Ephrata, Pa. Phone 656-6644

Mail Box Market

For Sale - Ivanhoe Star Bull calf - Dam Kingpin daughter VG 86 3-1 289, 14,848. Call 299-3362

For Sale - J.J. Warren Sex-Link yearlings $1.20 each. Abner R. Glick, RD1, Gap, Pa.

For Sale - Seasoned Oak firewood, stove or fireplace length. Also Muscovy ducks alive or dressed. Joel K. Zook, Quarryville RD3, Pa.

Notice: 70 acre steer farm for rent 1974 in Middle Creek. Amos M. Zimmerman, Route 4, Lititz 717-733-3405

For Sale - Fodder shredder on gear with attachment for towing balers. Daniel S. Kauffman, RD1, Strasburg, 1½ miles south of Strasburg on Hill Top Rd.

For Sale - Yorkshire service age boars and bred gilts to farrow Dec. and Jan. Homegrown cabbage, butternut squash, sweet potatoes and peppers. A. K. Beiler, Quarryville, RD3, Stoney Hill Rd., Mt. Eden Church West.

For Sale - 50 Holstein bull calves, to be moved at 7 weeks of age being December 11 - weaned and wormed at 5 weeks. Amos L. Lapp, Myerstown RD2, Pa. West of Reistville

For Rent - Farm house apartment, four rooms and bath outside storage. Experienced parttime farm work available. Reference. Phone Elizabethtown 367-3838

For Sale - 18 ton three-section feed tower. Perfect condition. $1000 FOB farm. Call 215-593-6530

Wanted - "U" type wrench that is used to take off wagon wheel axle nuts. Also seeds of following: White Oak; pawpaws; bur oak: tulip poplars; basswood; black locust; honey locust; big leaf red oak. Send to R.G. Kamoda, RD1, Box 282, Monongahela, Pa. 15063

Mail Box Market

Wanted - Kitchen range, Monarch preferred; 2 door gas refrigerator, give price and condition. I. B. Zimmerman, Ephrata RD2, Pa. 17522

For Sale - 2 used tires size 13.6x36. Call 354-8252

For Sale - Three used late model DeLaval milkers complete, electric pulsators, 110 or 12 volt timer box. John L. King, Leola RD1, Pa. Millport Road, 17540

For Sale - Landrace and Duroc Boars and Gilts 100 lbs. and up. Bred Gilts, Purebred or Crossbred on order. Harold Mummert, 6 miles south west of York. Phone 717-741-2170

Will Trade 1967 Cad. fully equipped for antique car. Gene Matlack, 28282 Creek Rd., Glenmoore, Pa. 19343

Fox Terrier stud service. Phone 717-354-7186

For Sale - Woolen material for braiding and hooking rugs. Also out grown boy's clothing size 14 and 16. Phone 626-8180

Photographer - National advertising, weddings, brochures. Newswanger's Studio, 1028 Penn Grant Road, Lancaster, Phone 464-2221 or 394-4219

For Sale - 280 acre farm, 2 houses, 2 barns, 3 machine sheds, public road to building. Very good location. Beachy Brothers, Grantsville, Maryland, Phone 301-895-5409

For Sale - Registered Shropshire sheep. Rams, lambs and ewes. Large flock from which to choose. Warn Menhennett, Cochranville. Phone 215-593-5726

For Sale - One Nubian Buck (2 years old). Snake Hill and Stormstown Road (near Stoltzfus Quarry) Emanuel Stoltzfus, RD1, Box 230, Bird-in-Hand, Pa. 17505

FREE

Subscribers to Lancaster Farming will receive one advertisement Free each month in our Mail Box Market. Subscribers using the Mail Box Market will be governed by the following rules:

Limit your advertisement to 25 words; All advertisements must be in our hands by Thursday noon or same will be held over for next week's paper; No business advertisements accepted.

Wanted - PTO Hammer Mill. Call 1-717-865-2529

Wanted to Buy - Massey Harris Self-Propelled corn picker with 6 cylinder engine for parts. Lester F. Moyer, RD1, Womelsdorf, Pa. 19567

For Sale - 1968 International CO1800 truck, 453 Detroit Diesel, new paint, latest inspection, 22 ft. flatbed, 26,000 lbs. gross, extra engine. Phone 717-684-5202

For Sale - Weathered boards from old tobacco shed 1"x12"x16 ft. Call 367-4454

Public Sale Dec. 15 Household goods, coal ranges and heaters, furniture, appliances. Center Square and Forrest Hill Rd., Leola. Also 2 family house. Talmage. Financing. Phone 656-9979, Millie Daniels

For Sale - Registered bull calf, sired by Elevation. Dam is Citation R. Daughter classified very good with good records. Samuel I. Esh, Gordonville RD1, East Newport Road

For Sale - 3,000 ft. 1½" iron pipe; 2 poultry houses 20' by 20'; 1 poultry house 10' by 14' Layer nests; 2 Iron Fireman Stokers. Call 215-678-9943

SPECIAL SALE

Along with our regular sale on

MONDAY, DECEMBER 10th

at 2:00 P.M.

FEEDER CATTLE, CALVES, & STOCK COWS

BLUE RIDGE LIVESTOCK SALES, INC.

Charles Town, W. Va.

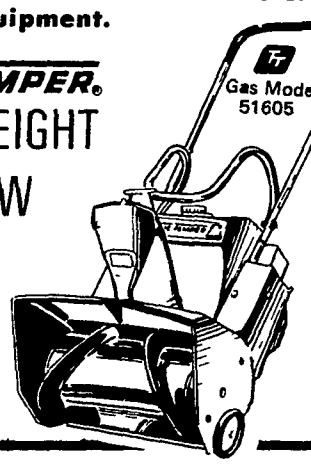
CALL Elmer Beiler

Choose your weapon

Easy does it with International Harvester snow removal equipment.

TRUE TEMPER®

THE LIGHTWEIGHT POWER SNOW SHOVEL



SPECIAL

$89.00

CALL Leroy Zook

WEAVERLINE FEED CARTS

EARLY DISCOUNT on Lancaster Silo and Unloaders. Ryder Barn Equipment

Call Bob & Les

USED EQUIPMENT

Farmall 806 D Tractor
New SP International Combines
J. D. Fertilizer Spreader
Grimm Hay Tedder
I.H. 470 Disc Harrow with Wings
550 - 5 Bottom Plow
1-No. 61 Forage Wagon — N. H. Blower
Used 650 Harvester — Dion Blower
New No. 56 Blower
6-row Corn Head, narrow, for 503 Combine.
N.H. Late Model Blower
I.H. 4 Row Cultivator

Corn Pickers Ready for Delivery
Best Buy of the Year on Balers

PARTS DEPARTMENT

CALL Dick Bomberger

CALL US! IT COULD BE WE HAVE IT.

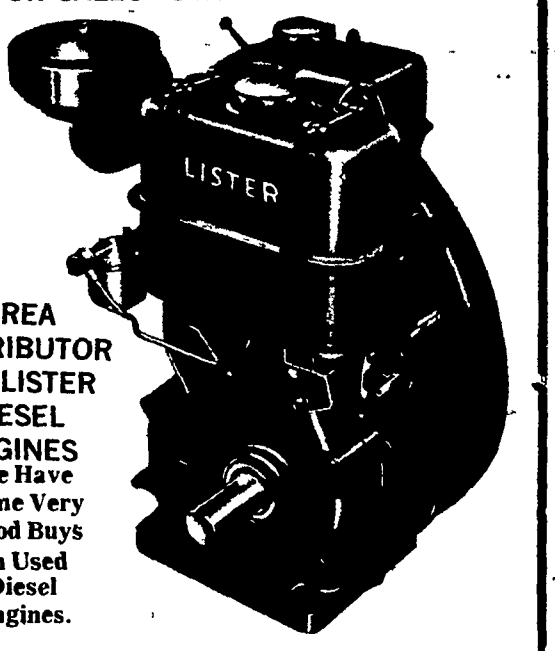
Anti-Freeze ONLY **$2.00** Gal. Bulk
Bring your own container

Special 706 & 806 Mufflers
Only $7.95

WINDBREAKERS
for all
Model International Tractors
AS LOW AS **$69.95**
Most Models in Stock.

CALL Titus Burkholder

FOR SALES—SERVICE—PARTS



AREA DISTRIBUTOR FOR LISTER DIESEL ENGINES
We Have Some Very Good Buys On Used Diesel Engines.

USED BULK TANKS

1-500 gal. Mueller w-auto. washer

Used Sputnik Milk Transporter, Very Clean

USED DIESELS

DU 111 International 18 H.P. Electric Start and Hand Clutch. A1 Condition.

AVA2 Petter completely rebuilt with Electric Start & Hand Clutch

SR-3 Lister completely automatic 60 day factory warranty

Distributor of Milkeeper Tanks — Complete line of Bulk Tank Cleansers New Model Klenzade Bulk Tank Washers 1500 series. Klenzade Tank Washers & Cleansers

RADIO CONTROLLED FOR BETTER SERVICE

C. B. HOOBER & SON

INTERCOURSE, PENNA. PHONE 768-8231

from HISTORY'S SCRAPBOOK

DATES AND EVENTS FROM YESTERYEARS

Pearl Harbor was attacked by Japan on December 7, 1941.

December 8, 1776, was the date George Washington crossed the Delaware River into Pennsylvania.

On December 9, 1941, China declared war on Italy, Germany and Japan.

The Spanish-American War ended with the signing of the Treaty of Paris, December 10, 1898.

Germany and Italy declared war on the United States on December 11, 1941.

The Japanese sank the American gunboat "Panay" in China on December 12, 1937.

On December 13, 1642, New Zealand was discovered.

Editor's Quote Book

"Whoever knew truth put to the worse in a free and open encounter?"

— John Milton

Sale Register

WED. DEC. 5 - H. D. Matz Christmas Sale at the New Holland Sales Stables, Inc. New Holland, Pa. 50 Head Purebred and Grade Canadian Cows consigned by H. D. Matz, Owner. Henry Kettering, Pedigrees.

WED. DEC. 12 - 1 P.M. Sharp Charles H. Wilson Herd Dispersal Sale at The New Holland Sales Stables, Inc., New Holland, Pa. 80 Head Dairy Cows consigned by Fite Bros., Quarryville, Pa.

In 1956, an Englishman rode 145 miles in 6 days in *full armour*. He probably has an iron hold on that record.

PUBLIC SALE

OF VALUABLE REAL ESTATE

WEDNESDAY, DECEMBER 5, 1973

In Salisbury Township, Lancaster County, Pa., on Mast Road, 2 miles South of Route 322 and 2 miles west of Cambridge, Pa.:

63 ACRES, More or Less, 15 ACRES OF MEADOW AND WOODS, Two Streams of Water Known as Brandywine Creek, 2½-STORY FRAME DWELLING, With Aluminum Siding

Containing 5 Rooms on Second Floor, 3 Rooms on First Floor; Enclosed Rear Porch; Central Oil Fired Heat, Electric. Large Spring of neverfailing water in basement of house.

WASH HOUSE AND WOOD SHED, 1-Car Garage with Workshop Above, Frame Corn and Wagon Shed, Cement Block Milk House

Sale at 2:00 P.M. on the premises, May be inspected by appointment. Phone 354-0754 or 768-3404 and day of sale. Possession on or before April 1, 1974. 10 percent down payment day of sale, balance upon settlement. Terms by

SARAH E. MAST

Frank L. Steller - 656-9055
Robert E. Martin - 656-7770
Aucts.
May, Grove, Stork & Blakinger, Attys

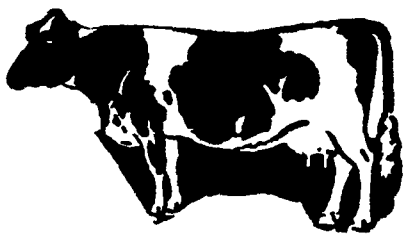
Financing available by prior arrangements

AUMENT HERD DISPERSAL

at the
GREEN DRAGON LIVESTOCK AUCTION
R.D.3, Ephrata, Pa.

FRIDAY, DEC. 7

63 HEAD HOLSTEINS



This herd consists of 10 cows fresh since October. 6 due by the end of the year, balance in all stages of lactation.

These cows are extra large in size with a lot of milk, 9 nice heifers, yearlings and smaller.

If you need cows, plan to be at this sale. 30 day TB and Blood Tested. Pregnancy examined.

CONSIGNED BY
FITE BROS.
Quarryville, Pa.
Glenn 717-786-2750
Gerald 717-548-2543

We Have Moved to our New Office to Serve You Better.

Warren Weaver Inc.
REALTOR
222 E. Orange St. 393-0403

1500 Lititz Pike 393-0403

Mail Box Market

Wanted - Carpenter work. Will build houses, pole barns, cow barns, garages, or chicken houses. Write Samuel S. Lapp, Christiana, Pa. Box 274, 17509 or Driver. Phone 529-2481 or 768-3624

Purebred Yorkshire boars, bred gilts and open gilts, carcass championship bloodlines Willow Glen Farm, RD2 Strasburg, Pa. PH. Ac 717-786-2562

For Sale - Complete set of 1972 Encyclopedia Britannica; also starter wood for fire place and 9 Mallard Ducks, very tame. Phone 285-5649 evenings or Saturdays.

Mail Box Market

Duroc Boars for sale - Sired by production tested sires Similar in breeding as our Pa State Sale reserve champion boar and champion bred gilt. Also we sire champion Duroc carcass at 72 Keystone Invitational. Dutch Valley Farm, Phone 717-665-6220

For Sale - Int. 4-16 automatic reset plow. Phone 867-2777

For Sale - Duel wheeled trailer with 16 ft. cattle racks, in excellent condition. Phone 665-2387

For Sale - 8 to 10 lbs. Broilers, also 2 Surge Milkers 45 lb. pails. Abram F. Stoltzfus, Leola RD1, ¼ mile East of Talmage.

Free - Puppies Phone 215-267-5106

For Sale - No. 260 Starline chute hopper used 1 week, very good condition. Phone 717-786-7654 after 6:30 P.M

For Sale - Used roller bearing top buggy with storm front. Phares Weaver, RD3, Ephrata, Penna. 17522

For Sale - 400 gal. bulk milk tank, 20 used Jamesway stanchions. Jamesway Manure elevator with motor. Phone 717-838-4776

For Sale - 25 to 35 Black Angus calves from Reg. herd, available after January 1 Phone 301-465-3087 after 7:30 P.M. for inspection appointment on any weekend or Holiday, or write or contact Lancaster Farming, P.O. Box 266, Lititz, Pa. 17543

For Sale - Tractor IH Fairway Model, working condition and also same model part tractor. Wizzard 5 H.P. Tototiller. Call 215-445-5423

We have 100 bred ewes, yearlings to 4 yrs., available at only $30 each or $25 each in lots of four. Majority are sired by imported registered Suffolk ram "Blairstone", and rebred to one of his registered sons. Also a few lambs and rams available. Write or Phone Loncosky Farm, RD3, Danville, Pa. 17821 or Phone 717-437-2368

For Sale - 1972 Life time motor home, 413 cub. inch engine, sleeps 6. 4000 Watt Generator completely self contained. William M. Shenk, Lancaster RD6, Phone 717-872-7628

For Sale - Yorkshire, Landrace Cross gilts due to farrow in one to four weeks Leola at traffic light, North on 772, Right on Peace Rd., 1st farm right. Chester B. Reiff, RD1, Box 201, Bird-in-Hand, Pa. 17505

For Sale - 6 mos. old Collins Crest Mahesty son from Holstein cows classified VG with records to 18,000 M; 3 mos. old Grandson of Seiling Rockman from Canadian cow on test; Used wooden calf pens in good condition; 20 ft. flat bed for straight truck, best offer. Simeon M. Stoltzfoos, RD1, Leola, Phone 656-6962

Real Estate

For Rent - Large free stall barn, also large steer barn Southern Lancaster County area Phone 394-8184

FARM FOR SALE
122 ACRE
LEBANON COUNTY
FARM

dairy barn with 32 stalls, automatic gutter cleaner, poured concrete silo, 5 bedroom large colonel brick home

Priced at
$1275.00 per acre

Financing available

CONTACT
SALES REP:
NELSON EBERSOLE
717—867-4190
DERRY REALTY CO.
717—273-9351

classified ads

Phone 394-3047 or 626-2191

Real Estate

For Sale - 18 acre poultry farm, 2 poultry houses with 2 floor each, 120 ft. by 40 ft., room for 16,000 pullets with 9 room farm house, barn and silo. Buildings all in fair condition along Peiffer Hill Road. Contact Martin N. Hoover, Denver Route 1, Box 312, PA 17517

Wants to Buy - Farm Properties with development potential. 30 acres to several hundred acres. Howard Goss, Office 761-6113. Home 737-2234.

Wanted to Rent - Dairy farm with 50 to 75 cows on 50-50 basis. Can furnish equipment. Phone 215-932-4719

Try A Classified Ad!

Livestock For Sale

Wants to Buy - Registered Holstein Heifer Calves. Phone 872-4058

Hampshire and Yorkshire Service Age Boars and Bred Gilts. Contact John Strawbridge, Stewartstown, Pa. 17363, Phone 301-996-2022

SPF origin Hybrids bred to meet demand of commercial producer. Excellent litter size and growth rate. Final cross is four-way cross which adds vigor and carcass quality. Jet Age Swine Breeders, Inc., John Alleman Manager. 717-768-8378.

Wanted - Registered and Grade Holstein Heifers or sound cows which will calf within 8 weeks.
J. B. KELLER & BRO.
Mount Joy, Pa. 17552
Phone 717-653-4591

Yorkshire service age boars - Unrelated bloodlines. Delivery Available.
LEON L. ARNOLD
Lebanon, Pa. 17042
Ph: 717-273-5880

For Sale - Horned Hereford range bulls. Write or Call Lauxmont Farms, RD1, Wrightsville, Pa. Phone 717-252-1525

For Sale - 12 feeder Hereford steers, 350-500 lbs. January 3rd delivery. Phone 215-388-6119

Wants to Buy - Red & White Holstein Calves. Kenneth D. Myer, RD3, Elizabethtown, Pa. Phone 717-367-3344.

For Sale - Service age Holstein bulls, purebred; Also some younger bulls. Stephen R. Glick, RD1, Leola at Millport

Livestock For Sale

Need Extra Income? Raise hogs on contract. Phone 717-442-4632 daytime

Pets

Unexpected return to Scotland compels urgent sale of two male and two female Border Collie Pups, whelped in March by my Registered bitch, mated in Scotland in 1972. Originally intended for trials training, bred from working and trials dogs on both sides. Certain workers and ready to begin to begin training now. Unrepeatable opportunity for reasonable purchase of quality stock. Telephone 215-383-5927

For Sale - 4 female and 3 male Eskimo Purebred pups. John L. Beiler, Christiana RD1, 17509, ½ mile east of Andrews Bridge

Services Offered

INSULATION. LOAFING SHEDS — DAIRY BARNS. SPRAYED ON URETHANE FOAM. Ideal for eliminating condensation. Perfect for irregular surfaces. For free estimate call Conestoga Chemicals & Plastics, Inc. 397-3724. After 5:00 P.M. call 872-2233.

Miscellaneous

4 aerial ladders 40 to 85 ft. reach on 1962 and 1963 trucks for farm painting etc. 1963 Ford truck, cab and chassis, 18 ft. wheel base, perfect condition. Phone 786-2061

For Sale - Platform on casters 7' x 2' x 16' high, with or without riggers only $75.00. Call 397-3724 or after 5 P.M. 872-2233 for inspection.

WOOD SHAVINGS. Ideal for work-ways and bedding. $12 per ton Can be delivered in bulk loads of 10-12 tons. Less expensive than straw or tanbark. Contact Bob Geist at Leola Supply Co. Inc. Ph. 717-656-6811.

Need Money? I will buy old furniture, lots of household items, glassware, bric-a-brac, etc. Get some stuff together and call Ed 215-593-5594

Cash For Pups
I need Purebred and extra cute mixed breeds in litter lots, 7 to 10 week old. Must be clean and healthy. Contact Pup Man at Root's Farmers Market, RD1 Manheim, Pa. Every Tuesday 4 P.M. to 8 P.M. No Phone Calls.

Food

CUSTOM BUTCHERING
We can dress, cut and wrap your beef or hog to your specifications, ready for your freezer. Old fashioned pudding and scrapple, woodsmoked sausage and dry beef, etc.
Located 2 miles northwest of Leola, Snake Hill Road. Emmanuel and Daniel Z. Stoltzfus, Box 233, Bird-in-Hand, Pa.

Organic Beef and Pork, custom raised for home butchering. Direct from Chester Co. farmer. No middleman, reasonable terms. Call Elverson 215-286-5440 or Philadelphia MO7-5329

TRY A CLASSIFIED AD!

Dairy Equipment

For Sale - 4 Universal milker units for parlor or glassline milker. Brackets and pulsation included. Phone 717-786-2544

For Sale - KESCO DUMPING station. Pumper model with strainer, hose and dryer $200. Cash and carry. Call collect 301-398-3451

For Sale - 14 can milk cooler, 2 horse compressor and 20 cans, all in good condition. John S. Fisher, Quarry Road, Paradise, Pa., 1 mile south of Leaman Place Store.

625 gal. Girton used 1 yr.
700 gal. Esco good cond., with compressor.
Used 300 gal. Girton Milk Tanks good cond.
16 Can Can Cooler
CLARK ELECTRIC
RD1, Kinzers, Pa.
Ph: Intercourse 768-8228

For Sale - 1 - 14 Can Cooler and 1-6 can cooler, milk cans and can rack. Henry L. Beiler, Paradise RD1, Box 326, Pa. North of Georgetown, Along Rt. 896.

MANURE PITS
36 ft., 48 ft., and 60 ft. diameter. 12 ft. depth, circular precast concrete with gunite coated interior.
ZIMMERMAN INDS. INC.
RD1, Ephrata, Pa. 17522
Ph: 717-733-6166

Help Wanted

Help Wanted - Man with farm background for truck driving and warehouse work - wholesale dog food. Leon B. Risser. Call 626-2728 after 6 P.M.

Middle aged man with some help to work on large steer farm with chance to take over operation after the first year to the right family. House and privileges, Southern Lancaster Co. Write Box 266E, c-o Lancaster Farming, Lititz, Pa. 17543

EMPLOYMENT OPPORTUNITY
A.I. Technicians needed to serve dairymen in Lancaster County. Guaranteed salary plus bonus, company automobile provided for work and personal travel, plus gasoline allowance. Life and Hospitalization insurance, regular days off, vacation with pay, other valuable fringe benefits. Equipment and supplies provided, opportunity for advancement. Applicants must have farm experience (preferably dairy), high school diploma, and Pennsylvania auto operator's license. Mail replies to Atlantic Breeders Cooperative, Attention Edwin Sauder, 1575 Apollo Dr., Lancaster, Pa. 17601. Phone (717) 569-0413

Farm Equipment

Used John Deere KBA 40 x 20 12 ft. Disc with Carrier.
EVERGREEN TRACTOR CO. INC.
30 Evergreen Rd.
Lebanon, Pa.
717-273-2616

Used Oliver 1550 Diesel Tractor
FARMERSVILLE EQUIPMENT, INC.
Ephrata, RD2, Pa.
717-354-4271

USED TRACTORS
J.D. 4020 Diesel
J.D. 730 Diesel
J.D. 70 Diesel
J.D. 60
J.D. 530
J.D. 420
J.D. 40
J.D. B
J.D. - A
Case 311 w-plow
MILLER'S Sales & Service, Inc.
John Deere-Brillion
Brady-Hesston-Dunham
Bush Hog-Lely
Stewartstown, Pa.
Phone 717-993-2470

Help Wanted

Conscientious couple to live in farm house 10 miles east of Reading, Pa. Person to raise started pullets. If interested, send resume with reference to:
MOYER'S CHICKS, INC.
266 E. Paletown Road
Quakertown, PA 18951

Experienced help wanted for dairy farm now or Spring. East of Lancaster. Phone 397-3994

Man for dairy farm, house, and other privileges, good wages to right party. Available immediately. Goshenview Farm, West Chester, Pa. Phone 215-696-8259

Farm Equipment

For Sale: Cat D2 5U, hyd., ready to work $2,200; Cat D4,7U, hyd., ready to work $3,200; 2 TD 340's, hyd. blade, crawler & dozer, $1,900 to $2,500. Ben Lombardo Eq. Co. 215-944-7171

New Holland 475 Manure Spreader
M.F. 35 Tractor with Industrial Loader.
M. M. WEAVER & SONS
Massey-Ferguson
Sales & Service
Leola, Pa.
717-656-2321

For Sale - Used Black & Decker ½" drill with reverse, like new, Phone 215-445-6175

Help Wanted

"Employment training for handicapped people - Mentally Physically, Emotionally and Socially Disadvantaged. If you have not been able to keep a job in the past year because of your handicap, you are eligible for Goodwill Vocational Training. For information call 394-0647 and ask for Miss Burkholder,"

STEADY WINTER WORK

HELP US SLAUGHTER HOGS

Good Pay
Good working conditions. We are growing and need butchers, meat cutters, kitchen, smokehouse and general labor.

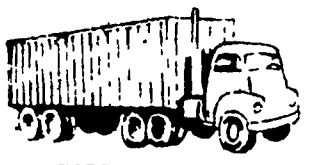
EZRA W. MARTIN CO.
1625 Old Phila. Pike
Lancaster, Pa.
Phone 717-397-5116

TRUCK DRIVER
OPPORTUNITY FOR RIGHT PERSON
PICKUP AND DELIVERY FROM LOCAL AREAS.
- Steady Employment
- Excellent Hospitalization
- Profit Sharing

CALL 665-3511 OR APPLY IN PERSON
Plain & Fancy Egg Ranch
R.D.3 **Elizabethtown, Pa.**

FARMERS!
INTERESTED IN MORE INCOME?
NO RISK HOG CONTRACTING
PH: 215-593-6287
or BOX 266G
c-o Lancaster Farming,
Lititz, Pa. 17543

LEARN TO DRIVE
TRACTOR TRAILER



Keep your present job
Train Full Time Or Weekends
Approved for Veterans Education
Financing Available

CALL
717-367-4221
BOX 245
Elizabethtown, Pa.
17022

PMTA Truck Driver School
RD4 Elizabethtown, Pa. 17022

Help Wanted
Service Person
For Installation and Servicing Dairy & Poultry Equipment
AGRI-INC.
Farmersville, Pa. Ph. 717-354-4271

classified ads

Phone 394-3047 or 626-2191

Local Classified Advertising Rates

Use This Handy Chart To Figure Your Cost

Words	(1) Issue	(3) Issues
14 or Less	$1.00	$2.40
15	1.05	2.52
16	1.12	2.69
17	1.19	2.86
18	1.26	3.03
19	1.33	3.20
20	1.40	3.36

KEYED ADS (Ads with answer coming to a Box Number. c-o Lancaster Farming): 50c additional.

Ads running 3 or more consecutive times with no change billed at 20 percent discount with $1.00 minimum.

Deadline: Thursday of each week's publication.

Lancaster Farming
P. O. Box 266
Lititz, Pa.
Ph. Lancaster 394-3047 or
Lititz 626-2191

IH Hydrostatic 666 Tractor
Used IH 155 bu. Manure Spreader very good.
John Deere Model 44 PTO Spreader

COPE & WEAVER CO.
New Providence
786-7351

For Sale - Scrambler, 6 wheel all-Terrain vehicle $500. Phone 215-445-6175

For Sale - 5 H.P. Compressor, used 9 month. Call 717-784-8889 or write Elvin Doutrich, RD4, Bloomsburg, Pa. 17815

TRACTOR & MOTOR REPAIRS

Over 20 years experience with Ford tractors and equipment.

Shop & Road Service
Pickup and Delivery

WALT STIVELY, JR.

Springville Road
Quarryville RD3
Ph. 717-786-2252

Farm Equipment

USED TRACTORS
Oliver Super 77
Case 800-530 w-loader
JD 60
Ford 600 & 8N
1850 Oliver Diesel Tractor

USED EQUIPMENT
AC Gleaner C2 Combine Grass & Corn head.
M.M. Combine S.P., like new
New and Used Hammer Mills and Mixers.
Lawn & Garden Tractor
N.H. 14 HP Automatic drive with mower

GRUMELLI FARM SERVICE
Quarryville Ph. 786-7318

DO YOU NEED . . .
Steel Wheels Made
Welding
Hauling
Repairs
Fabricating
All types engine work
or
Chain saw repairs
Call 215-445-6175
JOHN L. STAUFFER
Repair Service
Box 67 RD2 East Earl, Pa.

USED TRACTORS
Case 570 Diesel
International MD Diesel
Case 730 Gas
John Deere A
Ferguson 20 w-loader
Case 411
Case SC
Owatonna Skid Steer Loader w-backhoe
Special prices on new New Idea manure spreaders set up ready to go.

KINZER EQUIP. CO
Kinzers, Pa. Ph. 442-4186
Lanc. Customers Ph. 768-8916
Open till 9 P.M. Tuesdays.

6000 Ford Diesel with 5 bottom number 132 Ford Plow which it pulls easy. Wide front end, good tires, excellent condition, lots of power 7 economy for price, one farm being developed only reason for sale. Call 394-9917

For Sale or Lease. Feedmobile leased at $1.00 a ton or purchased at $3,000. Feedmobile, Inc., Lititz, Pa.

Good Selection of Farm Equipment, mostly horse drawn. Selling out. Phone 397-2033

COMBINES — John Deere 7700 fully equipped, (2) 6600 diesels, 105 Diesel corn special with cab and air, 95 diesel with cab, 45, 40 square back. Gleaner C with Cab and 4-row head $2,900.00, AII, E. Massey Ferguson 510 diesel with cab 3 to choose from, 500, 35. International 503, 302, 80 pull type. Minneapolis Moline Uni tractor with power steering and 2 row sheller $1,200.00.
EXTRA CORN HEADS — John Deere 444, 643, 435, 334, 234, 205. Massey Ferguson 43, 422, 421, 222, 22. Gleaner C630, F335, 3 row 30".
NEW IDEA UNI TRACTORS — 702, 701 with combine, 701 with cab, and New Idea 4 row 40" head like new.
CORN PICKERS — (New) New Idea 2 row pull with 12 roll beds, used 2 row pull 30" and 40", one row II323, two row mounted. John Deere 237. International 2 MH, 1 PR. Allis Chalmers 2 row mounted.
New Holland 1033 Stalkliner Bale wagon, new Super 717 two row Harvester, New Holland 467 Haybines. (new) Massey Ferguson Haybines. Owatonna self propelled Windrower.
CORN PLANTERS — International cyclo air planter like new, No. 56, (2) John Deere 8 row 30" liquid and dry fertilizer.
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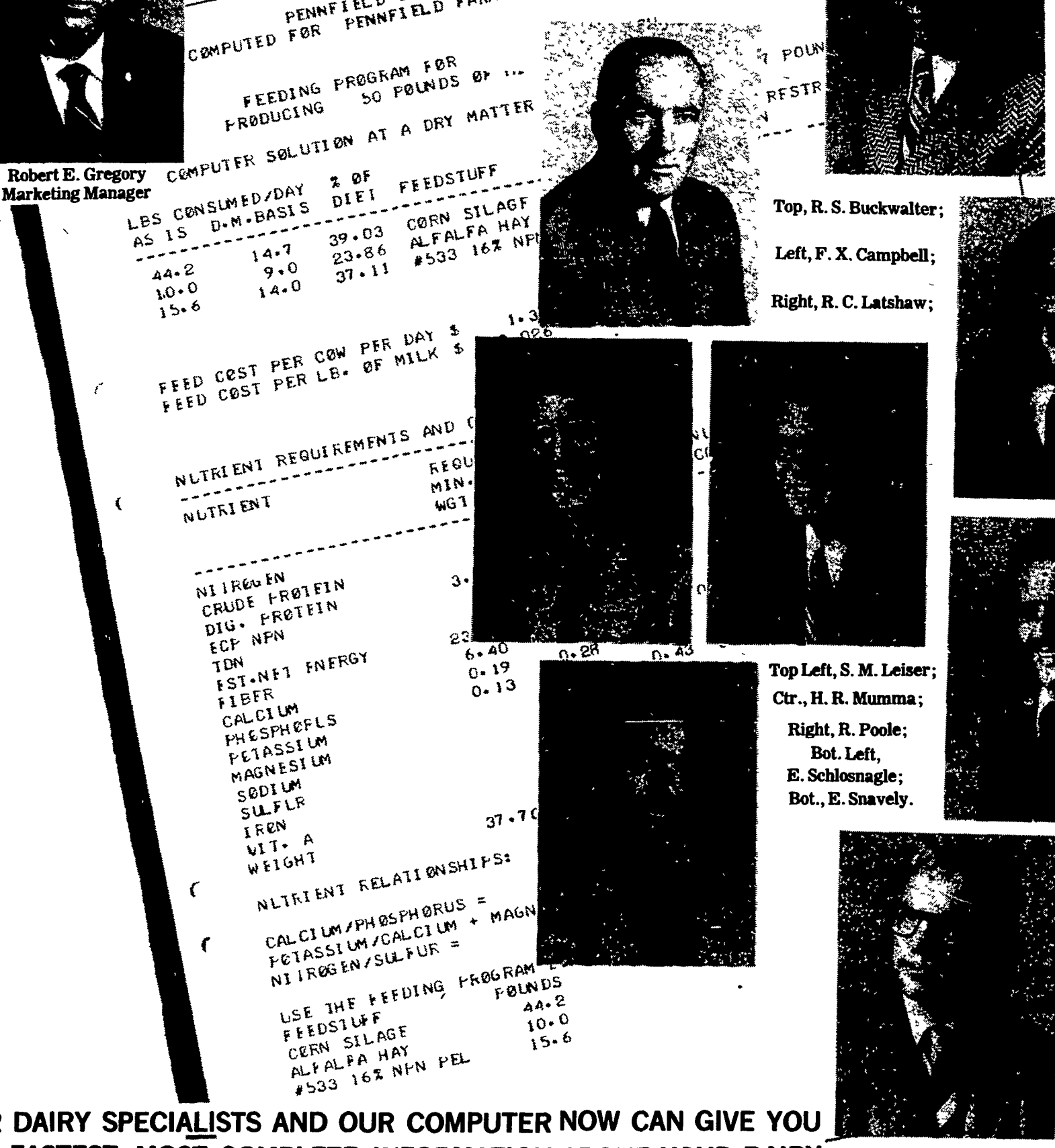

Top, R. S. Buckwalter;
Left, F. X. Campbell;
Right, R. C. Latshaw;

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